ORDER NO. MD0506224C3

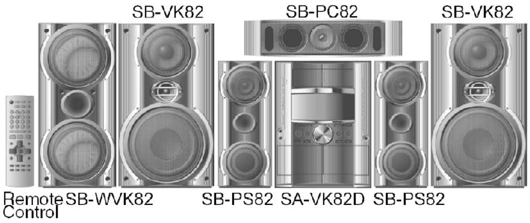
Service Manual

DVD Stereo System

SA-VK82DGCP / SA-VK82DGCS / SA-VK82DGS

Colour

(S)... Silver Type


SB-VK82
SB-PC82
SB-VK82
Remote Control
SB-WVK82
SB-PS82
SA-VK82D
SB-PS82

SPECIFICATIONS

Specifications

■ **AMPLIFIER SECTION**

RMS Output Power: Dolby Digital Mode	
Main	**85 W per channel (4 Ω), 1 kHz, 10% THD**
Surround Ch	**60 W per channel (4 Ω), 1 kHz, 10% THD**
Center Ch	**80 W per channel (4 Ω), 1 kHz, 10% THD**
Subwoofer Ch	**90 W per channel (4 Ω), 100 Hz, 10% THD**
Total RMS Dolby Digital mode power	**460 W**
PMPO output power	**5600 W**

■ **FM/AM TUNER, TERMINALS SECTION**

Preset station	**FM 15 stations** **AM 15 stations**
Frequency Modulation (FM)	
Frequency range	**87.50 - 108.00 MHz (50 kHz step)**
Sensitivity	**2.5 μV (IHF)**
S/N 26dB	**2.2 μV**

Antenna terminals	**75 Ω (unbalanced)**
Amplitude Modulation (AM)	
Frequency range	**522 - 1629 kHz (9 kHz step)** **520 - 1630 kHz (10 kHz step)**
AM Sensitivity S/N 20dB at 999 kHz	**560 μ V/m**
Audio performance (Amplifier)	
Input sensitivity/Input impedance	
Aux	**250 mV, 20 k Ω**
Phone jack	
Terminal	**Stereo, 3.5 mm jack**
Mic jack	
Sensitivity	**0.7 mV, 600 Ω**
Terminal	**Mono, 6.3 mm jack (2 system)**

■ CASSETTE DECK SECTION

Type	**Auto-Reverse**
Track system	**4-Track, 2 Channel**
Head Record/Playback	**Solid permalloy head**
Erasure	**Double gap ferrite head**
Motor	**DC servo motor**
Recording System	**AC Bias 100 kHz**
Erasing System	**AC Erase 100 kHz**
Tape Speed	**4.8 cm/s**
Overall frequency response (+3, -6 dB) at DECK OUT	
Normal	**35 Hz - 14 kHz**
S/N Ratio	**50 dB (A weighted)**
Wow and Flutter	**0.18 % (WRMS)**
Fast Forward and Rewind Time	**Approx. 120 seconds with C-60 cassette tape**

■ DISC SECTION

Disc played [8 cm or 12 cm]

(1) DVD (DVD-Video, DVD-Audio)

(2) DVD-RAM (DVD-VR, JPEG* 4,*5)

(3) DVD-R (DVD-Video)

(4) DVD-RW (DVD-Video)

+ R/RW (Video)

(5) CD,CD-R/RW [CD-DA, Video CD, SVCD* 1, MP3* 2,* 5, WMA* 3, * 5, JPEG* 4,* 5, HighMAT Level 2 (Audio and Image)]

*** 1 Conforming to IEC62107**

*** 2 MPEG-1 Layer 3, MPEG-2 Layer 3**

*** 3 Windows Media Audio Ver.9.0. Class 2A**
Not compatible with Multiple Bit Rate (MBR)

*** 4 Exif Ver 2.1 JPEG Baseline files**
Picture resolution: between 160 x 120 and 6144 x 4096 pixels (Sub sampling is 4:2:2 or 4:2:0)

*** 5 The total combined maximum number of recognizable audio and picture contents and groups: 4000 audio and picture contents and 400 groups.**

Pick up

Wavelength	
CD	785 nm
DVD	662 nm
Audio output (Disc)	
Number of channels	5.1 ch (FL,FR,C,SL,SR,SW)
Audio performance (measurement at: Line out terminal)	
Frequency response	
CD-Audio	4 Hz to 20 kHz (+1 dB,-2 dB)

■ VIDEO SECTION

Video system	
Signal system	PAL625/50, PAL525/60, NTSC
Composite video output	
Output level	1 Vp-p (75 Ω)
Terminal	Pin jack (1 system)
S-video output	
Y output level	1 Vp-p (75 Ω)
C output level	0.3 Vp-p (75 Ω) (PAL) 0.286 Vp-p (75 Ω) (NTSC)
Terminal	S terminal (1 system)
Component video output	
[NTSC: 525 (480)p/525 (480)i, PAL: 625 (576)p/625 (576)i]	
Y output level	1 Vp-p (75 Ω)
PB output level	0.7 Vp-p (75 Ω)
PR output level	0.7 Vp-p (75 Ω)
Terminal	Pin jack (Y: green, PB: blue, PR: red) (1 system)

■ GENERAL

Power supply	AC 110 to 127V/220 to 240 V, 50/60Hz
Power consumption	365 W
Power consumption in standby mode:	0.9 W (approximate)
Dimensions (W x H x D)	250 x 330 x 348 mm
Mass	9.4 kg
Operating temperature range	+5°C to +35°C
Operating humidity range	5% to 90% RH (no condensation)

■ SYSTEM

SC-VK82D (GCP)	Music System: SF-VK82D (GCP) Speakers: SB-VK82D (GC)
SC-VK82D (GCS)	Music System: SF-VK82D (GCS) Speakers: SB-VK82D (GC)
SC-VK82D (GS)	Music System: SF-VK82D (GS) Speakers: SB-VK82D (GC)

Music System	SF-VK82D GCP	SF-VK82D GCS	SF-VK82D GS
Music Center	SA-VK82D GCP-S	SA-VK82D GCS-S	SA-VK82D GS-S
Satellite Speakers	SB-PT82 GC-S	SB-PT82 GC-S	SB-PT82 GC-S

Speaker System	SB-PT82 GC-S
Surround Speakers	SB-PS82 GC-S
Center Speaker	SB-PC82 GC-S

Speaker System	SB-VK82D GC-S
Front Speakers	SB-VK82 GC-S
Subwoofer	SB-WVK82 GC-S

Notes:

1. **Specifications are subject to change without notice. Mass and dimensions are approximate.**
2. **Total harmonic distortion is measured by the digital spectrum analyzer.**

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

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WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.

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HDCD system manufactured under license from Pacific Microsonics, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114, with other patents pending.

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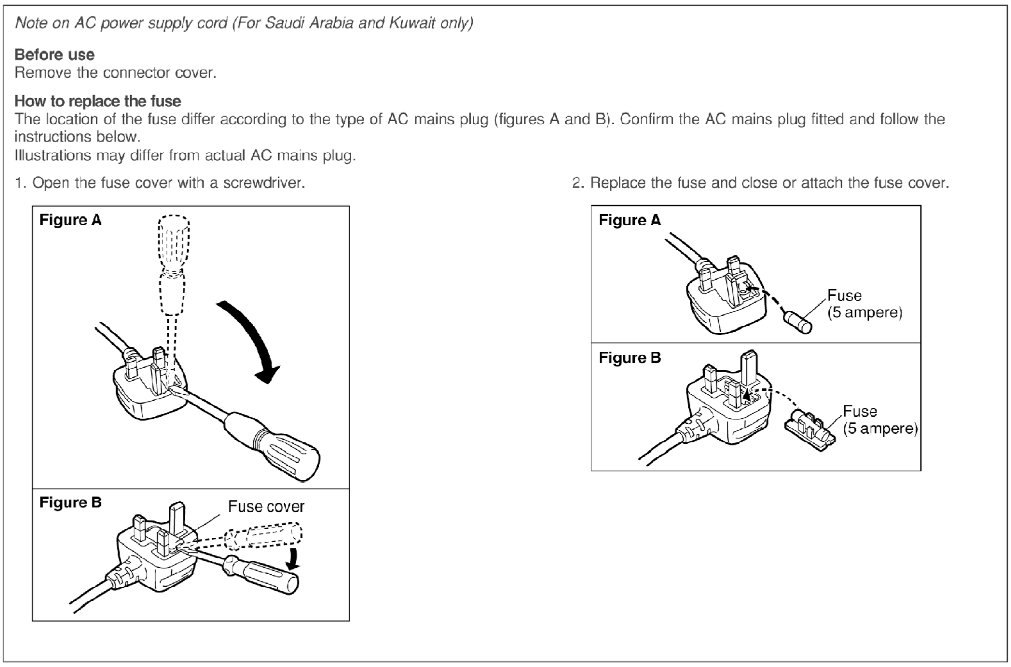
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Safety precautions for AC Cord (For GS only)



Note on AC power supply cord (For Saudi Arabia and Kuwait only)

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.
2. Replace the fuse and close or attach the fuse cover.

2. Before Use (Caution)

Be sure to disconnect the AC cord before adjusting the voltage selector.
Use a minus(-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 110-127V or 220-240V.)
Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries, the correct voltage is already set.)

3. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C5815, C5818, C9513, C9533, C9534, C9816 and C9817 through a 10 Ω , 5W resistor to ground.
DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid overcurrent.
Current consumption at AC 100/110V at 50/60 Hz & AC 240V at 50Hz in NO SIGNAL (vol. min, at CD mode) should be ~500mA .

4. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.

- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are
“shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.
If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note :
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

5. Safety Precautions

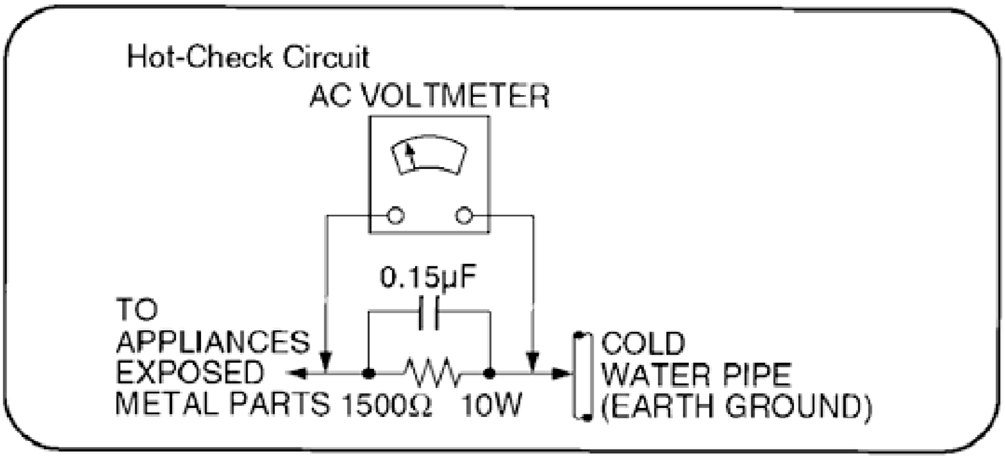
5.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

5.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc.
   When the exposed metallic part has a return path to the chassis, the reading should be between 1M Ω and 5.2M Ω .
   When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

Figure 1


Hot-Check Circuit
AC VOLTMETER
0.15μF
TO APPLIANCES EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

5.1.2. Leakage Current Hot Check / (See Figure 1)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

6. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder remover device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminium foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. **Minimize body motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

7. Handling the Lead-free Solder

7.1. About lead free solder (PbF)

Distinction of PbF P.C.B.:

P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution:

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to 700 ± 20°F (370 ± 10°C).**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C).**
- **When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.**

8. Precaution of Laser Diode

Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens. / Wavelength : 785 nm(CD)/662 nm(DVD) / Maximum output radiation power from pick up : 100 μ W/VDE
Laser radiation from pick up unit is safety level, but be sure the followings:

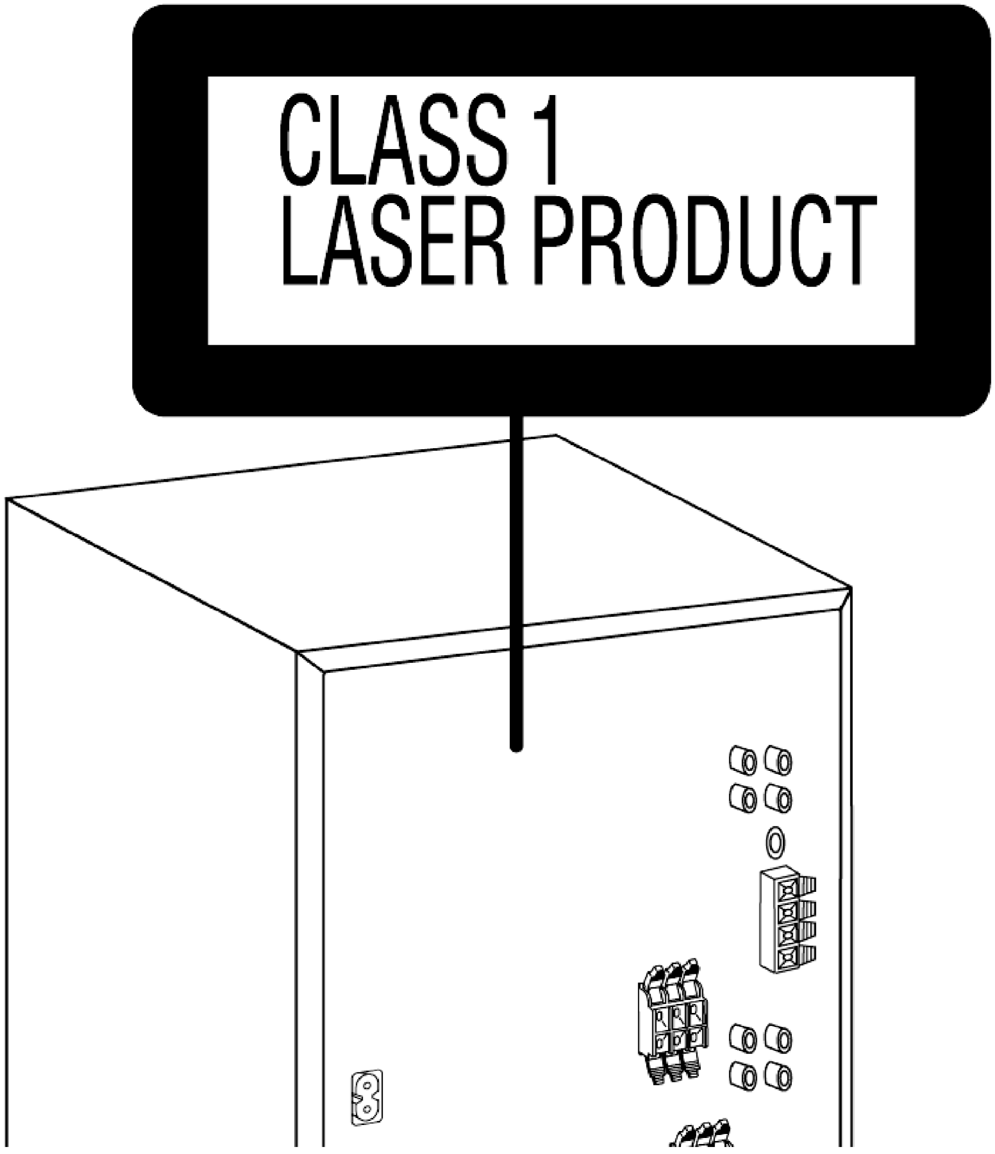
1. **Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.**
2. **Do not adjust the variable resistor on the pick up unit. It was already adjusted.**
3. **Do not look at the focus lens using optical instruments.**
4. **Recommend not to look at pick up lens for a long time.**

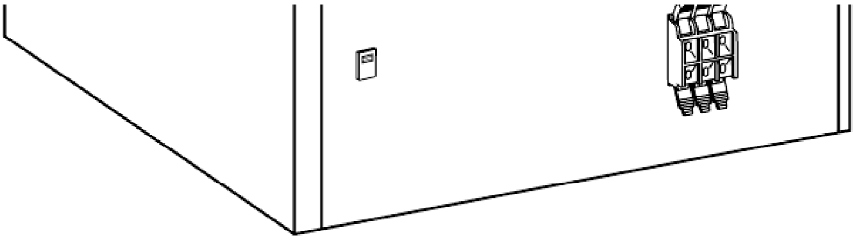
CAUTION!

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN TH
SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Use of Caution Labels

CAUTION	–	LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR / Class II
CAUTION	–	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. IEC60825-1 / Class 3b
VARNING	–	SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.
ADVARSEL	–	SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
ADVARSEL	–	SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARO!		AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VORSICHT	–	SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.
ATTENTION	–	RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
注意	–	打开时有可见及不可见激光辐射。避免激光束照射。
注意	–	ここを開くと可視及び不可視レーザー光が出ます。 ビームを見たり、触れたりしないで下さい。





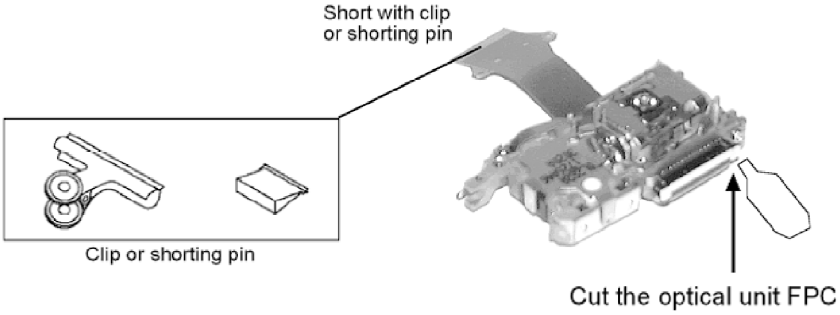
9. Cautions to be taken when handling Optical Pickup

The laser diode used inside optical pickup could be destroyed due to static electricity as a potential difference is caused by electrostatic load discharged from clothes or human body. Handling the parts carefully to avoid electrostatic destruction during repair.

9.1. Handling Optical Pickup

1. **Do not impact on optical pickup as the unit structurally uses an extremely precise technology.**
2. **Short-circuit the flexible cable of optical pickup remove from the circuit board using a short-circuit pin or clip in order to prevent laser diode from electrostatic destruction (Refer to Fig. 9.1 and Fig. 9.2)**
3. **Do not handle flexible cables forcibly as this may cause snapping. Handle the parts carefully (Refer to Fig. 9.1)**
4. **A new optical pickup is equipped with an anti-static flexible cable. After replacing and connecting to the flexible board, cut the anti-static flexible cable. (Refer to Fig. 9.1)**

Fig. 9.1



9.2. Replacing Precautions for Optical Pickup Unit

DVD/CD Optical Pickup

The optical pickup by which part supply was carried out attaches the short clip to the flexible board for laser diode electrostatic discharge damage prevention. Please remove the short clip and be sure to check that the short land is open, before connecting. (Please remove solder,

when the short land short-circuits.)

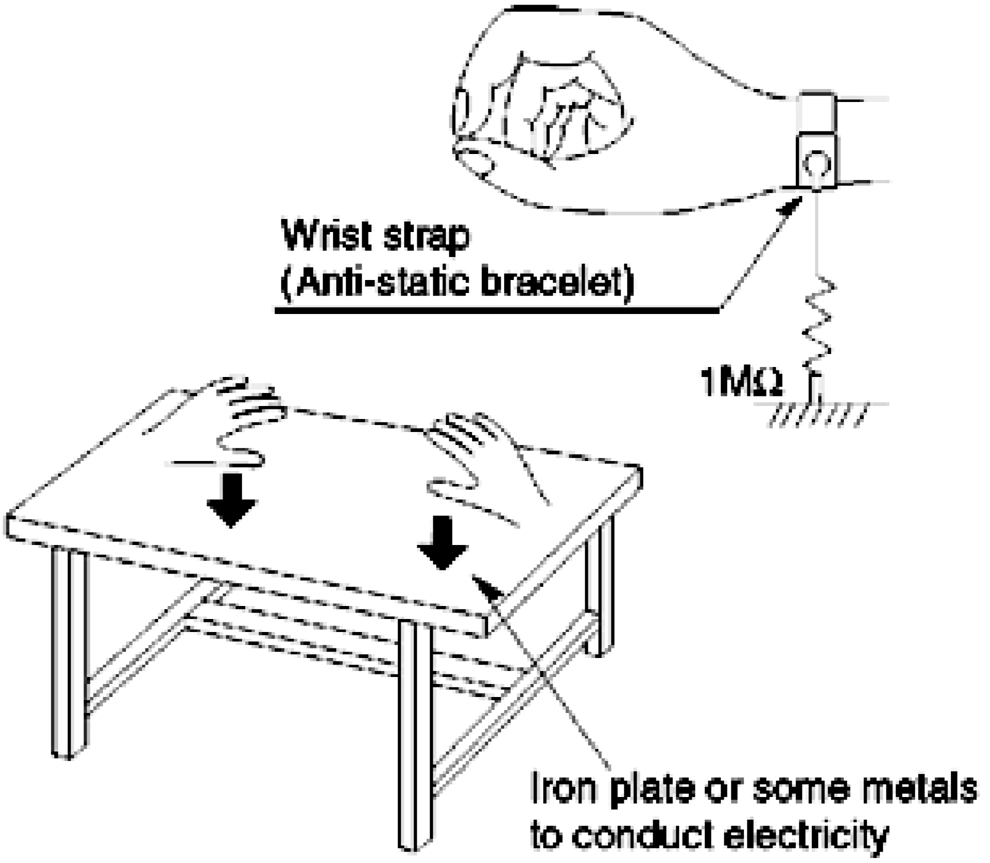
9.3. Grounding for Preventing Electrostatic Destruction

1. **Human body grounding**
   Use the anti-static wrist strap to discharge the static electricity accumulated in your body. (Refer to Fig. 9.2)
2. **Work place grounding**
   Place a conductive material (conductive sheet) or iron board where optical pickup is placed. (Refer to Fig. 9.2)

Note :

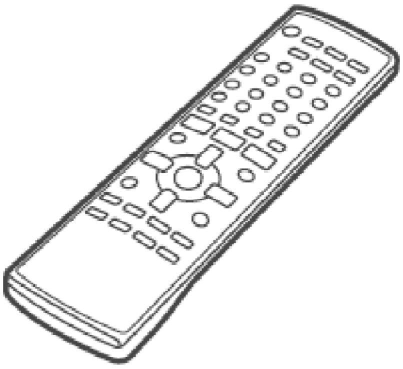
Keep your clothes away from optical pickup as wrist strap does not release the static electricity charged in clothes.

Fig. 9.2

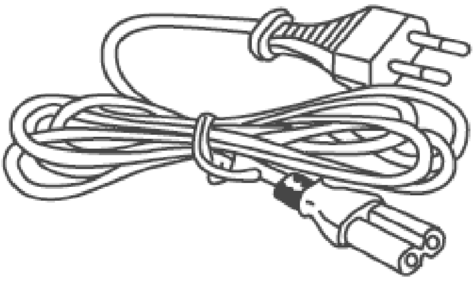

Wrist strap
(Anti-static bracelet)
1MΩ
Iron plate or some metals
to conduct electricity

10. Accessories

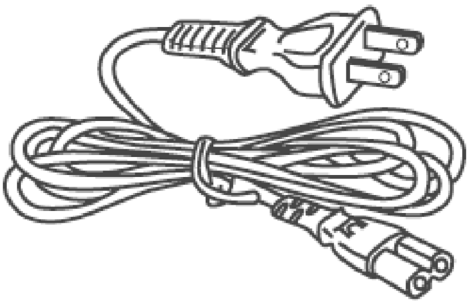
Remote control



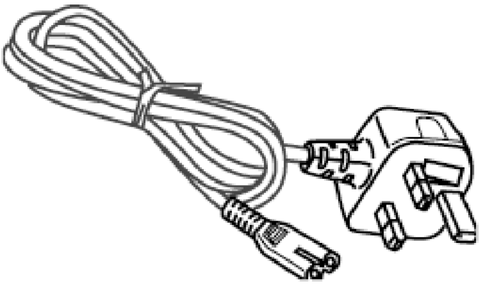
AC cord (For GCS only)



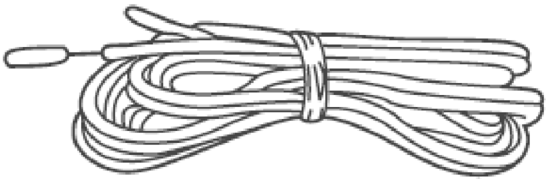
AC cord (For GS only)



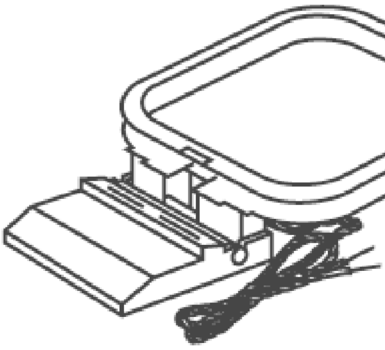
AC cord (For GS only)



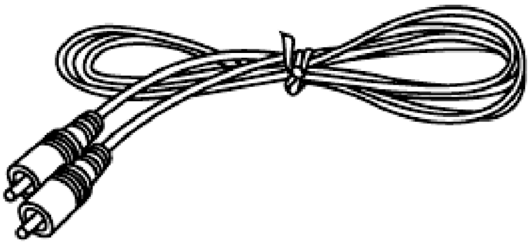
FM antenna



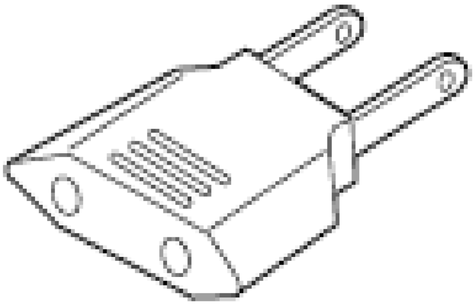
AM antenna



Video cable



AC Plug Adaptor (For GCP only)



11. Operation Procedures

12. Disc information

13. About HighMAT

13.1. What’s HighMAT?

Consumers worldwide are using PCs to create their own collections of music, photos and even

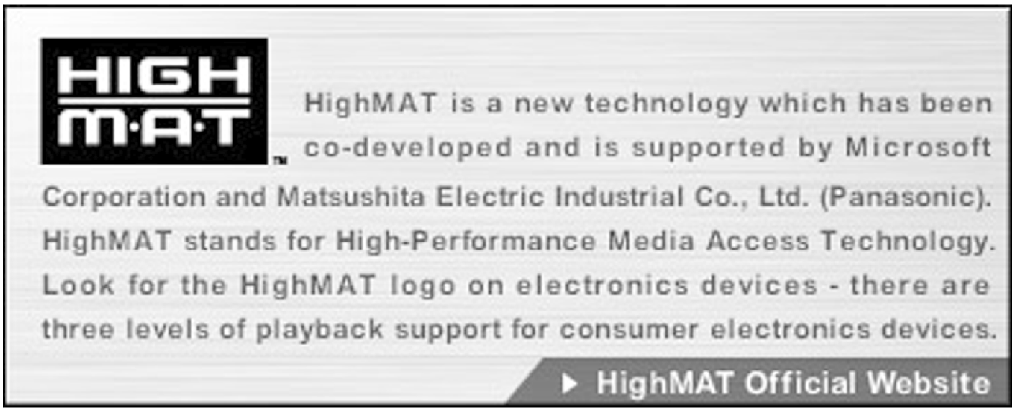
video by burning them onto CDs. But how these collections can be experienced across different devices can be confusing to navigate, time consuming to access for a DVD player, and be incomplete in terms of music information available to the customer.

HighMAT offers a solution to this growing consumer problem. HighMAT dramatically improves the digital media experience on consumer electronic devices by delivering a simple, standardized approach that allows consumers who have created personal collections of digital music, photography and video on their PC to:

>> Create a HighMAT CD or DVD which can be easily played back on consumer electronics devices such as CD and DVD players, and car stereos.

>> Move digital media files (using recordable media such as CD-R and CD-RW) between the PC and various playback devices such as CD and DVD players.

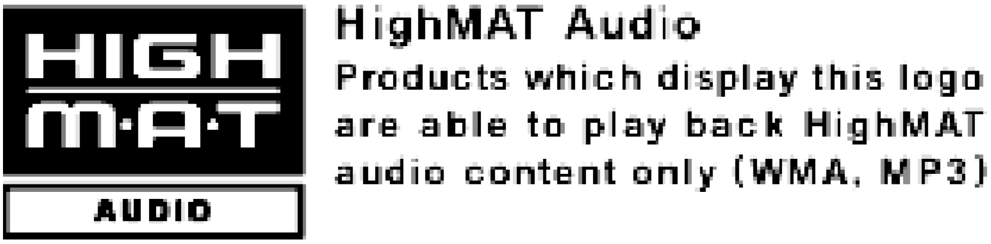
A new standard for creating personal media on consumer electronic devices, HighMAT enable easier and more seamless interoperability between Windows PCs and devices designed for your living room, or the car.



HIGH M·A·T™

HighMAT is a new technology which has been co-developed and is supported by Microsoft Corporation and Matsushita Electric Industrial Co., Ltd. (Panasonic). HighMAT stands for High-Performance Media Access Technology. Look for the HighMAT logo on electronics devices - there are three levels of playback support for consumer electronics devices.

▶ HighMAT Official Website

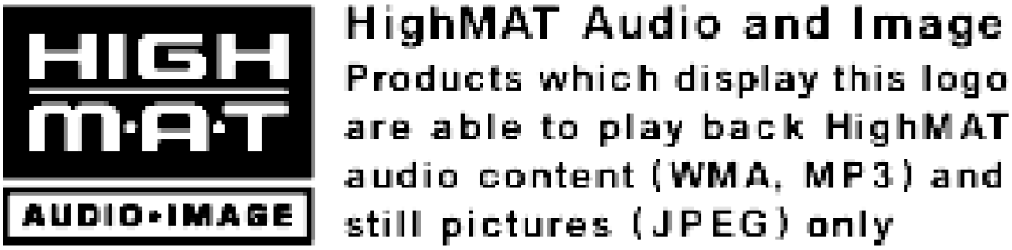


HIGH M·A·T

AUDIO

HighMAT Audio

Products which display this logo are able to play back HighMAT audio content only (WMA, MP3)

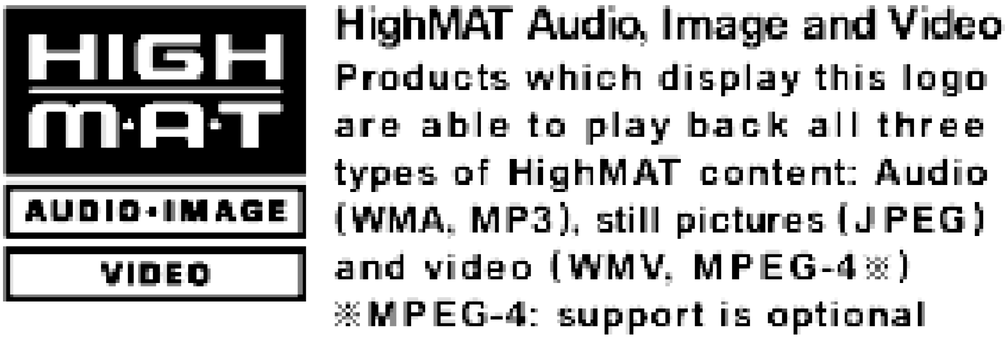


HIGH M·A·T

AUDIO•IMAGE

HighMAT Audio and Image

Products which display this logo are able to play back HighMAT audio content (WMA, MP3) and still pictures (JPEG) only



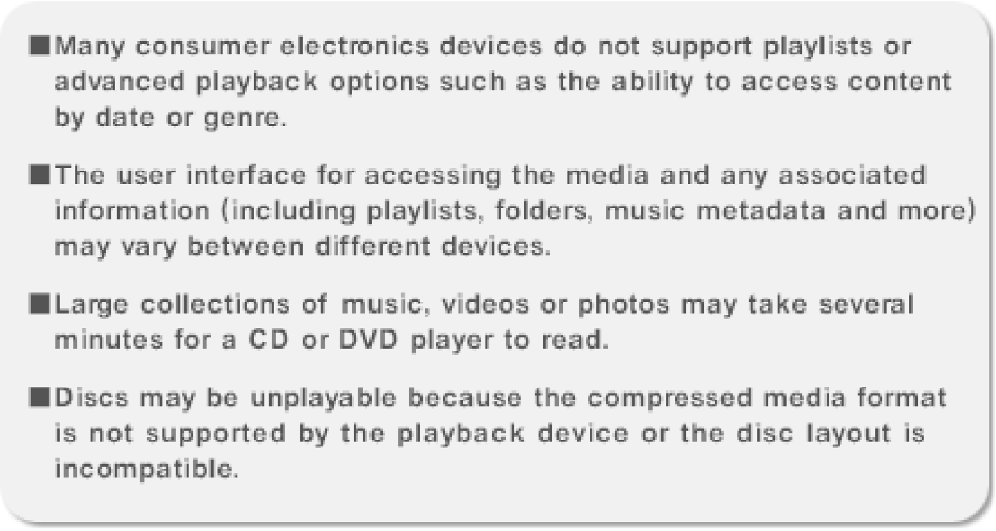
HighMAT Audio, Image and Video

Products which display this logo are able to play back all three types of HighMAT content: Audio (WMA, MP3), still pictures (JPEG) and video (WMV, MPEG-4※)

※MPEG-4: support is optional

13.2. Why take advantage of HighMAT?

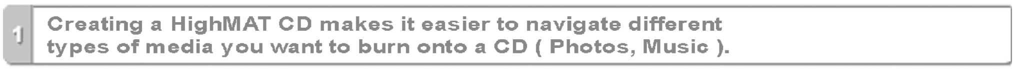
A Problem Defined:Today, when consumers create their own digital audio, video or photo collections on CD-R or other physical formats, there are numerous, inconsistent ways that devices read the data. For the consumer, the playback experience can be confusing:



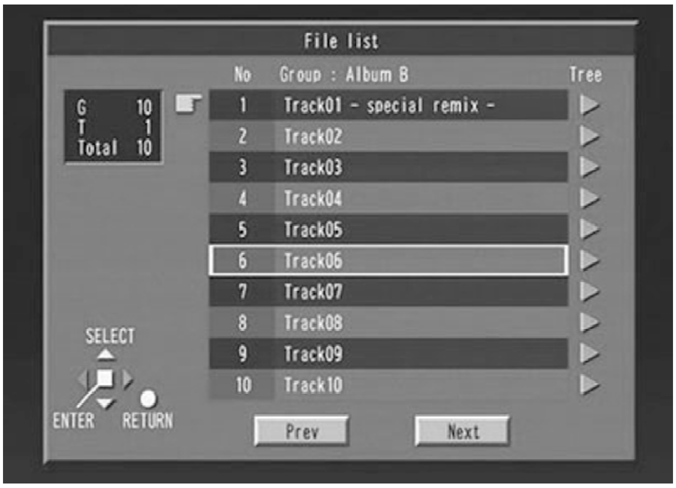
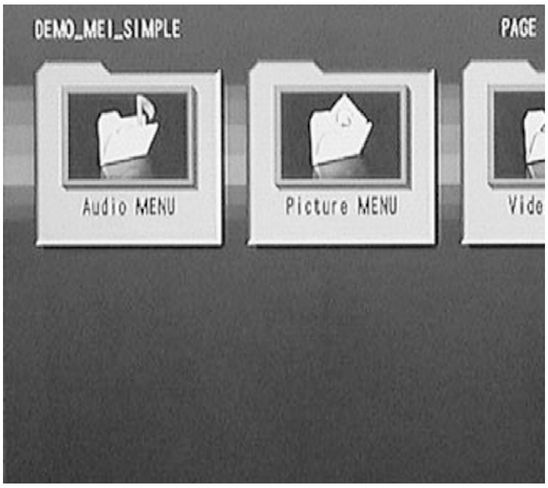
- Many consumer electronics devices do not support playlists or advanced playback options such as the ability to access content by date or genre.
- The user interface for accessing the media and any associated information (including playlists, folders, music metadata and more) may vary between different devices.
- Large collections of music, videos or photos may take several minutes for a CD or DVD player to read.
- Discs may be unplayable because the compressed media format is not supported by the playback device or the disc layout is incompatible.

A Solution Created: HighMAT delivers a better digital media access experience by creating a standard approach for PCs to structure digital media on various physical formats and for playback devices to read the data.

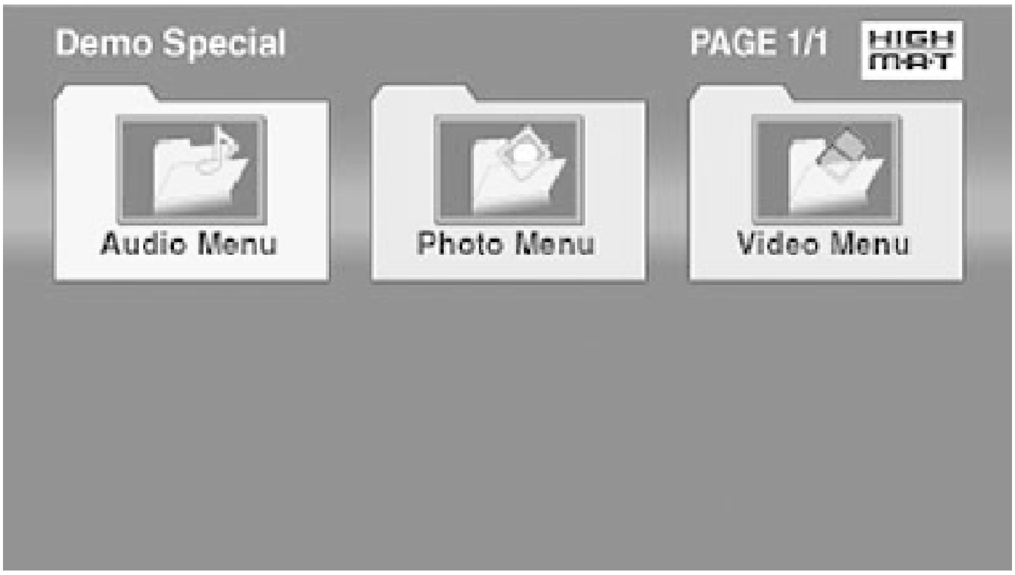
13.3. Benefits of HighMAT?

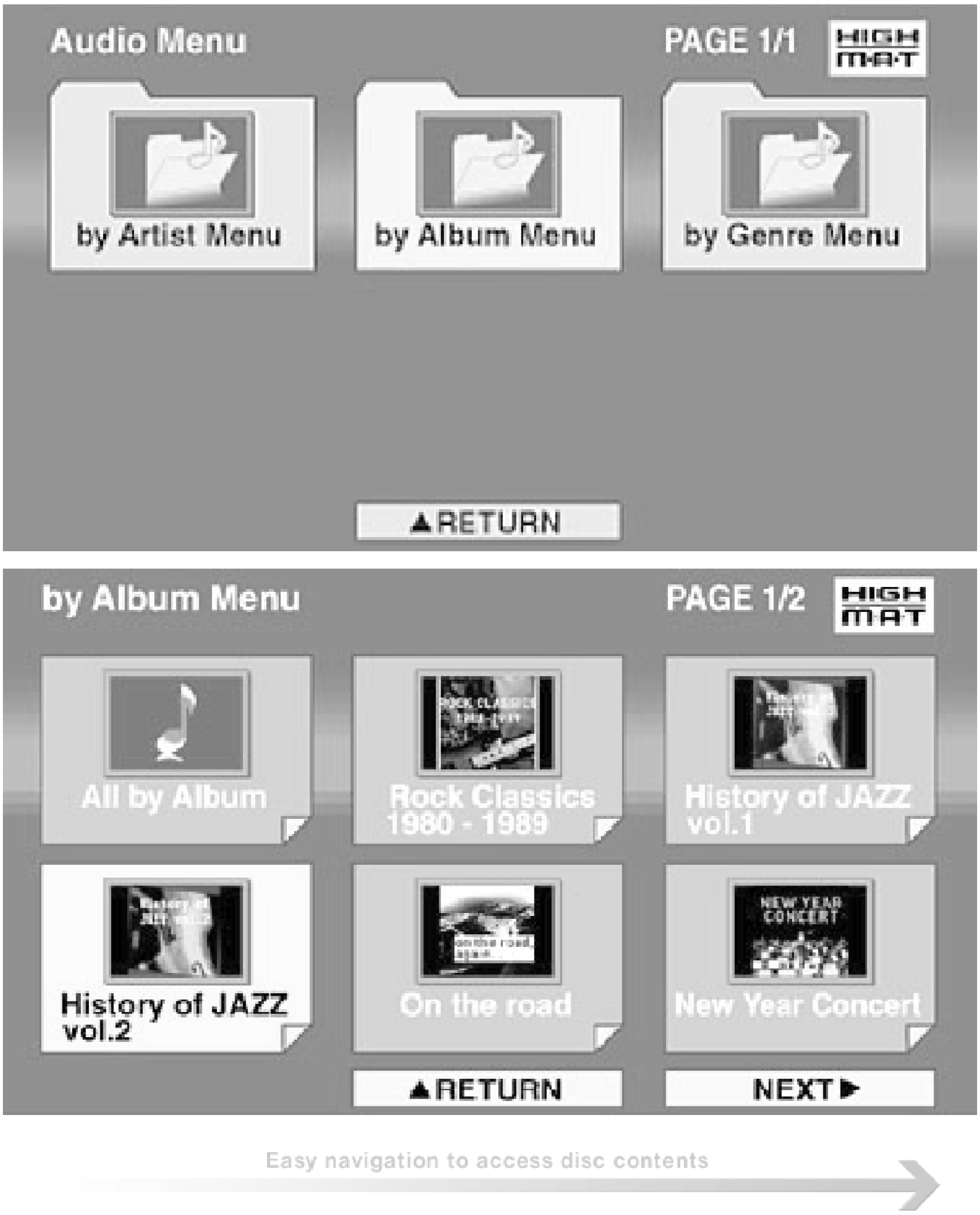


1 Creating a HighMAT CD makes it easier to navigate different types of media you want to burn onto a CD (Photos, Music).

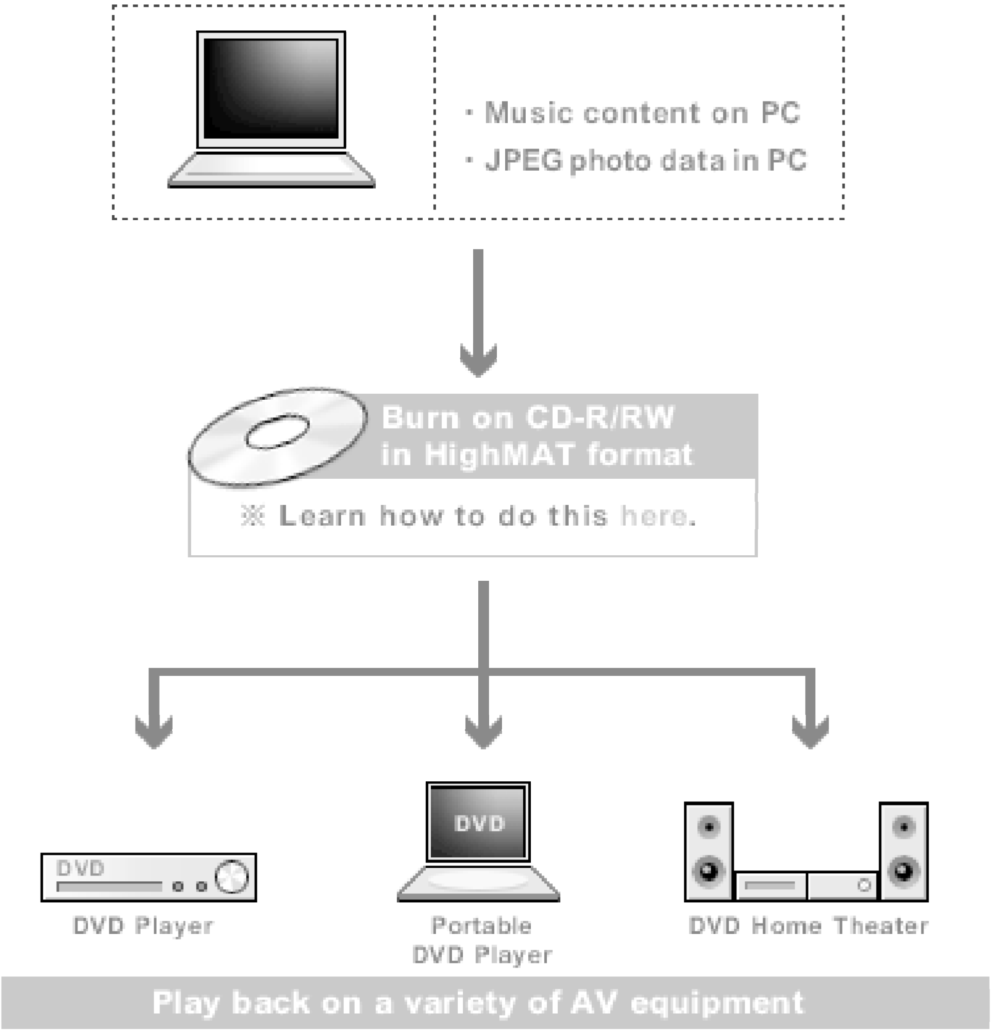
Conventional	HighMAT
Even though DVD player is CD-R/RW compatible, the inconsistent ways that various DVD players can read the music or photos files often leads to a confusing and inconsistant playback experince.	**HighMAT compatible products play content with consistent interface. This includes pro which are JPEG compatible products witho HighMAT support.**
 File list No Group : Album B Tree G 10 T 1 Total 10 1 Track01 - special remix - 2 Track02 3 Track03 4 Track04 5 Track05 6 Track06 7 Track07 8 Track08 9 Track09 10 Track10 SELECT ENTER RETURN Prev Next	 DEMO_MEI_SIMPLE PAGE Audio MENU Picture MENU Vide

2 Eliminates compatibility issues and delivers better more consistent access to more music information like artist, song name, genre and photo information (metadata) as well as provide faster access to large amounts of music and photo files burned on CDs.


Demo Special
PAGE 1/1
HIGH MAT
Audio Menu
Photo Menu
Video Menu


Audio Menu
PAGE 1/1
HIGH MAT
by Artist Menu
by Album Menu
by Genre Menu
▲RETURN
by Album Menu
PAGE 1/2
HIGH MAT
All by Album
Rock Classics 1980 - 1989
History of JAZZ vol.1
History of JAZZ vol.2
On the road
New Year Concert
▲RETURN
NEXT ▶
Easy navigation to access disc contents

3 HighMAT CDs can also work on other players.


· Music content on PC
· JPEG photo data in PC
Burn on CD-R/RW in HighMAT format
※ Learn how to do this here.
DVD
DVD Player
DVD
Portable DVD Player
DVD Home Theater
Play back on a variety of AV equipment

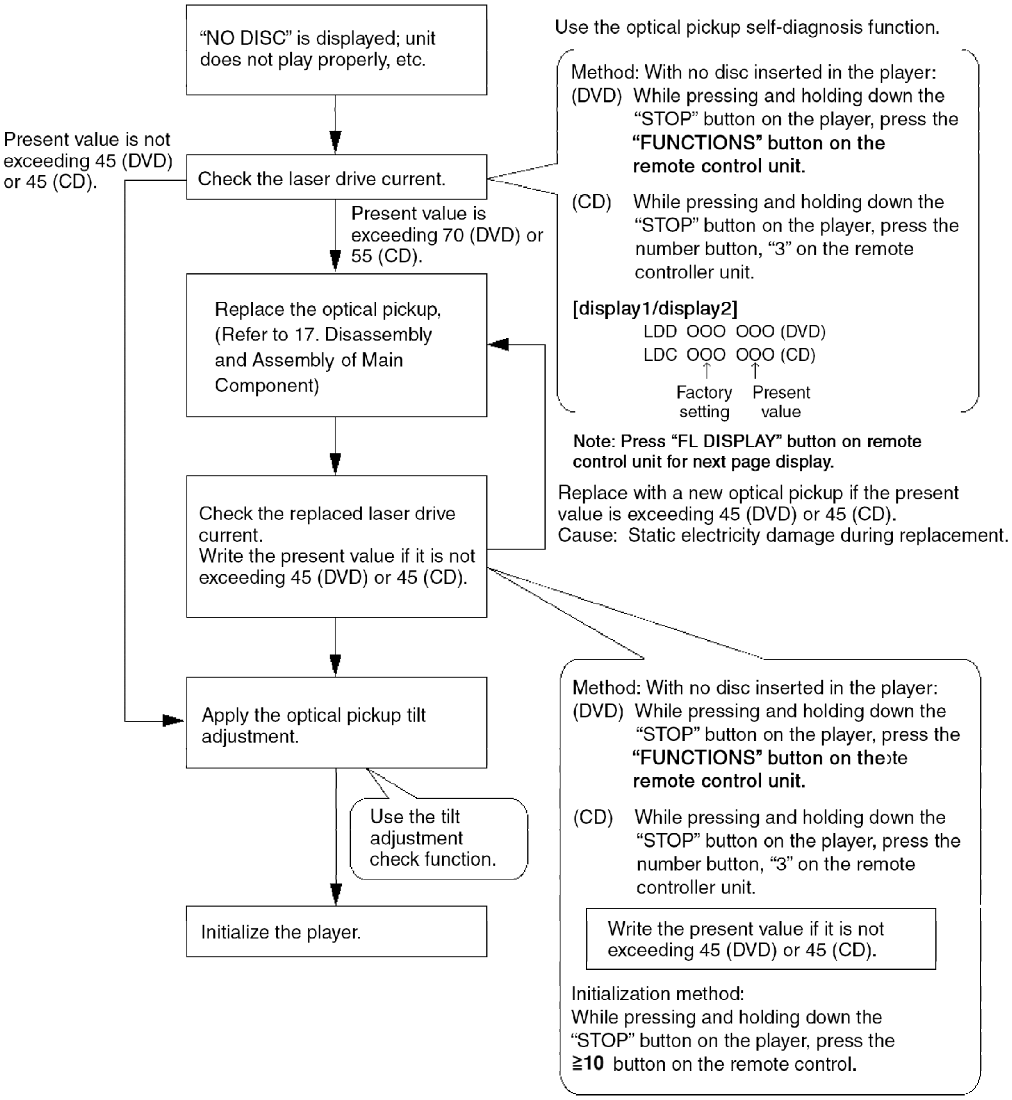
HighMAT is now available for CD Burning and in Leading DVD PlayersHighMAT is a new technology that is now available in leading software and consumer electronic devices to dramatically improve the digital media experience when you create homemade CDsHighMAT delivers a simple, standardized way for PC software and consumer electronics devices to talk to each other and work better together.
When you create your homemade CDs with software that supports HighMAT CD burning, and then play them back on a DVD player that supports HighMAT, you get better, easier navigation. You get folders you can access with a single click of your DVD player's remote control. You can view important information about your music like full song names, artist titles, album names and genre. And you can get faster startup on your home entertainment device.
To enjoy the benefits of HighMAT, all you need is software that supports HighMAT for CD burning of music or photos, as well as a home entertainment device like a DVD player that supports HighMAT for playback. Always look for the HighMAT logo on your software or home entertainment device to ensure it supports the HighMAT experience.

14. Optical Pickup Self-Diagnosis and Replacement Procedure

14.1. Optical Pickup Breakdown diagnosis

This unit is equipped with the optical pickup self-diagnosis function and the tilt adjustment check function. Follow the procedure described below during repair in order to perform self-diagnosis and tilt adjustment effectively. Especially when “NO DISC” is displayed, be sure to apply the self-diagnosis function before replacing with an optical pickup. Replacement of optical pickup generally requires when the present value of laser drive exceeds 45 (DVD) or 45 (CD).

Note:
Start diagnosis within three minutes after turning on the power (as diagnosis fails when the unit becomes warm).



“NO DISC” is displayed; unit does not play properly, etc.

Check the laser drive current.

Present value is not exceeding 45 (DVD) or 45 (CD).

Present value is exceeding 70 (DVD) or 55 (CD).

Replace the optical pickup, (Refer to 17. Disassembly and Assembly of Main Component)

Check the replaced laser drive current.
Write the present value if it is not exceeding 45 (DVD) or 45 (CD).

Apply the optical pickup tilt adjustment.

Use the tilt adjustment check function.

Initialize the player.

Use the optical pickup self-diagnosis function.

Method: With no disc inserted in the player:
(DVD) While pressing and holding down the “STOP” button on the player, press the **“FUNCTIONS” button on the remote control unit.**
(CD) While pressing and holding down the “STOP” button on the player, press the number button, “3” on the remote controller unit.

[display1/display2]
LDD OOO OOO (DVD)
LDC OOO OOO (CD)

Note: Press “FL DISPLAY” button on remote control unit for next page display.

Replace with a new optical pickup if the present value is exceeding 45 (DVD) or 45 (CD).
Cause: Static electricity damage during replacement.

Method: With no disc inserted in the player:
(DVD) While pressing and holding down the “STOP” button on the player, press the **“FUNCTIONS” button on the›te remote control unit.**
(CD) While pressing and holding down the “STOP” button on the player, press the number button, “3” on the remote controller unit.

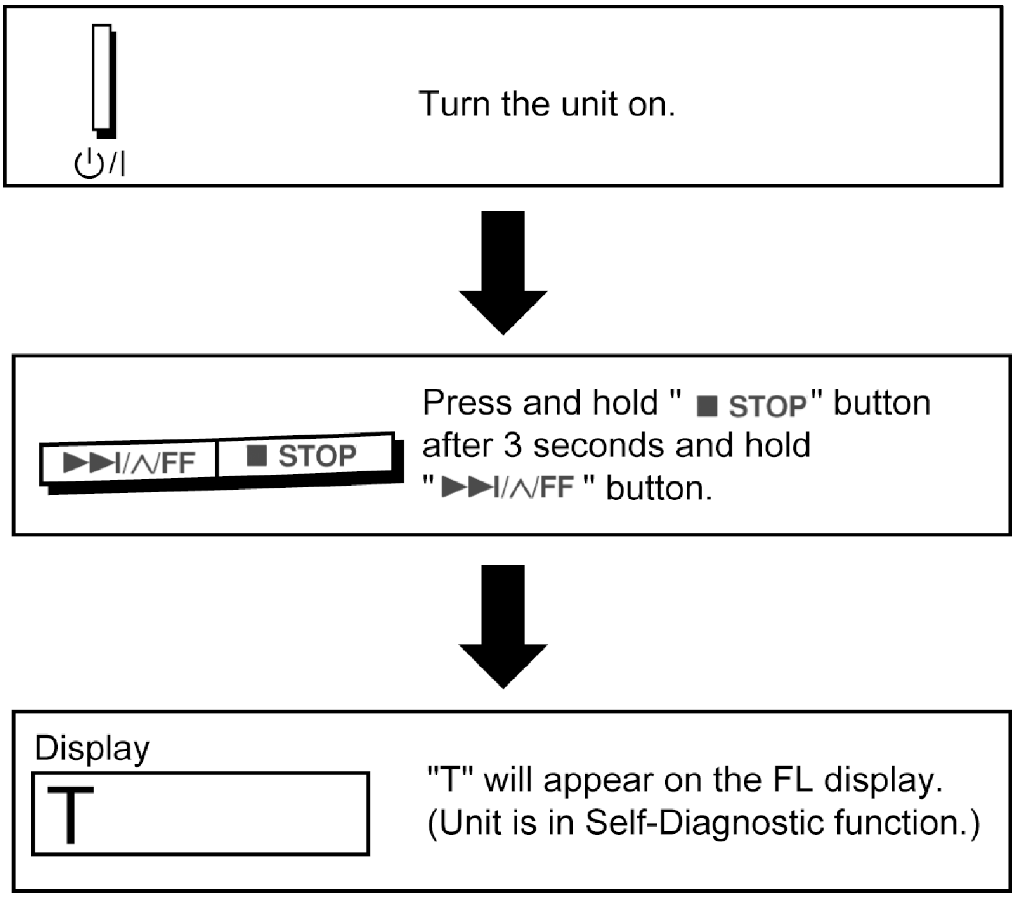
Write the present value if it is not exceeding 45 (DVD) or 45 (CD).

Initialization method:
While pressing and holding down the “STOP” button on the player, press the **≧10** button on the remote control.

15. Self-Diagnosis Function

This unit is equipped with the self-diagnosis function, which displays an error when it occurs, for use during servicing.

15.1. Entering into Self-Diagnostic Mode



Turn the unit on.

Press and hold " ■ STOP " button after 3 seconds and hold " ▶▶I/⋀/FF " button.

"T" will appear on the FL display. (Unit is in Self-Diagnostic function.)

15.2. Automatic Displayed Error Codes

15.2.1. Automatic Display Function

For a power unit error, the code is automatically displayed.

F61:

Automatically displayed on the LCD of the player.

15.2.2. Re-Display

- **For F61 Display**
- **When the code, F61 is displayed, the power is automatically turned off.**
- **The code, F61 is displayed for three seconds, and then the current time appears.**
- **To retrieve the code, turn on the power button so that the code F61 appears, however, is switched to time display after three seconds, and the power is automatically turned off.**
- **For F76 Display**
- **The abnormalities is an output or the abnormalities in a power supply of POWER AMP IC.**

15.2.3. Description of Error Code

15.2.3.1. F61

- State, Condition

When the power is turned on, the unit is automatically turned off. The power does not turn on.

- Cause, Troubleshooting

Power circuit system failure and/or direct current flown to speaker terminal / Identify the cause and replace with new parts.

15.3. Memorized Error Codes

15.3.1. Activating Self-Diagnosis Function and Displaying Method

1. Turn on the power.

2. Select DVD/CD function. With no DVD/CD inserted in the player, press ■ and hold down the button for at least two seconds, and press the “0” button on the remote control for at least two seconds in order to display “DVD_F---”.

3. Press the ■ button. If a memorized error is detected, the result of self diagnosis is displayed. (Ex.: T H15) / If several errors are detected, press the ■ button to display each.

15.3.2. Re-Display

- Press the power button to turn off the power, and then turn on the power.

- The details of self diagnosis are stored in the unit memory. / To retrieve them, follow the procedure described the above, “Activating Self-Diagnosis Function and Displaying Method”.

15.4. Service Mode Table 1

Following modes are available with combinations of the pressed buttons on the player and on the remote controller unit.

Player	Remote Controller Unit	Usage
■ button	0	Error code display (Refer to the Item 15.5. DVD/CD Self-Diagnos Code Description)
	5	Tilt adjustment (Jitter)
	6	Region number and broadcasting system check
	8	Bulit-in program version check (Micro-P)
	FUNCTIONS	DVD laser drive current check
	3	CD laser drive current check
	PAUSE	Writing of laser drive current value after replacement of optical (Do use this function only when optical pickup is replaced.)
	≧10	Initialization of the player (factory setting is restored.) / Used af replacement of micro-computer and its peripherals and printed board.

15.5. DVD/CD Self-Diagnosis Error Code Description

Error Code	State, Conditon	Cause, Troubleshooting
H15	The disc tray cannot be opened: it closes spontaneously.	Disc tray open/close detection switch (S failure. / (Check and replace)
H16	The disc tray cannot be closed: it opens spontaneously.	

Error Code	Meaning	Details
U. H. Error		
U11	Focus servo failure	
H01	Tray loading failure	
H02	Spindle servo failure	(Spindle servo, DSC, SP motor, CLV ser
H03	Traverse motor failure	
H04	Tracking servo error	
H05	Seek timeout failure	
DSC system		
F500	DSC failure	DSC stops due to servo failure. / (Startu failure, etc.)
F501	DSC not Ready failure	Communication failure between DSC an computer / (No communication because does not move)
F502	DSC Time out failure	See F500.
F503	DSC communication failure	Communication failure (Result failure o after communication command is trans
F505	DSC Attention Error	See F500.
F506	Invalid media	Disc is placed upside down; TOC is unr or invalid disc is inserted.
Disc Code		

Error Code	Meaning	Details
F103	Illegal highlight position	Disc standard is possibly illegal when h is displayed.
IIC Error		
F4FF	Forced initialization failure (Time out)	
F880	Unsuitable task number	When a message arrives from not existi
F890	A message is sent during AV task transmission	During transmission of a message to A
F891	Unable to transmit a message to AV task	When transmission of a message to AV starts
F893	DVD Module problem	Check for firmware version
F894	EEPROM failure	
F895	Firmware compatibility problem	Check for firm version for Main & DVD P.C.B.
F897	Initialization is not done properly	Follow proper steps for initialization &
F8A0	Unsuitable message command	When transmission of a message to AV starts

15.6. Mode Table 2

Following modes are available with combinations of the pressed buttons on the player and on the remote controller unit.

Item	Operational Condition and Key Function	Details	Display	TO
Jitter display	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the number button, "5" on the remote controller unit.	Jitter display / Measures and displays jitter. Measurement is repeated every second. Read error counter starts at 0 at the mode setting, and increased by one as data read fails at target block. A small defect is allowed to correct by retry. Any possibility is counted as one increment. Repetitive errors after retry increase by two levels or more.	J*1 xxx/yyy zz (display1/ display2) / / *1 : Jitter display mode / *2 : Jitter measurement value / *3 : Read error counter / *4 : Focus driving value Values are shown to one decimal place in the decimal digit. Focus driving value is displayed in the hexadecimal digit.	Pre STO on t
Error code display	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the number button, "0" on the remote controller unit.	Error code display / Displays the latest error code stored in EEPROM.	DVD_F--- / *nn: Error history / *--: Error number	Pre STO
Measurement of laser current electricity initialization value	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the ❚❚ button on the remote controller unit. Press "FL Display" button for next page	Measurement of laser current electricity initialization value / Memorizes each initialization value of DVD and CD in EEPROM.	LDO*1/xxx*2 yyyy*3 (display1/display2) / / *1 : Laser current electricity measurement mode / *2 : DVD current electricity value / *3 : CD current electricity value Values are shown in the decimal digit. The above example indicates that the current electricity initialization value is 13mA at DVD laser and 32mA at CD laser when laser is turned on.	Aut exit mo five

Item	Operational Condition and Key Function	Details	Display	TO
Measurement of DVD laser current electricity	While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the FUNCTIONS button on the remote controller unit. Press “FL Display” button for next page	Measurement of DVD laser current electricity / Measures DVD laser current electricity and displays the result together with the initialization value stored in EEPROM. After measurement, DVD laser is lit till the power is turned off (or goes off when the primary power is turned off).	LDD*1/xxx*2 yyyy*3 (display1/display2) / / *1 : DVD laser current electricity measurement mode / *2 : Current electricity initialization value stored in EEPROM / *3 : Present value of current electricity Values are shown in the decimal digit. The above example indicates that the current electricity initialization value is 12mA and its present value is 14mA.	Aut exit mo five
ADSC internal RAM display	While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the number button “1” or “2” on the remote controller unit.	ADSC internal RAM display / Reads and displays the RAM value inside ADSC. The address is renewed when the CLEAR key is pressed so that the values at eleven points appear.	FB0_0000 Values are shown in the hexadecimal digit. The above example indicates that ADSC value at the address, FB0h is 0000h.	Pre STC on t

Item	Operational Condition and Key Function	Details	Display	TO
Measurement of CD laser current electricity	While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the number button "3" on the remote controller unit. Press "FL Display" button for next page	Measurement of CD laser current electricity / Measures CD laser current electricity and displays the result together with the initialization value stored in EEPROM. After measurement, CD laser is lit till the power is turned off (or goes off when the primary power is turned off).	LDC*1/xxx*2 yyyy*3 (display1/display2) / / *1 : CD laser current electricity measurement mode / *2 : Current electricity initialization value stored in EEPROM / *3 : Present value of current electricity Values are shown in the decimal digit. The above example indicates the current electricity initialization value is 28mA and its present value is 26mA when laser is turned on.	Aut exit mo five
User initialization	While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the number button ≧10 on the remote controller unit.	User initialization / The user setting recovers the factory setting.	"INIT"	Aut exit mo five
Region display	While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the number button, "6" on the remote controller unit.	Region display	[s rr zzz] / / s : Panecon model type / rr : Panecon release number zzz: Syscon release number	Aut exit mo five

Item	Operational Condition and Key Function	Details	Display	TO
Firmware version display	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the number button, “7” on the remote controller unit. Press “FL Display” button for next page	Firmware version display	rrr*1 xx*2 y*3 zzz*4 / / *1 : Panel computer release number / *2 : System computer generation / *3 : System computer model type / *4 : System computer release number	Aut exit mo five
Region and firmware display	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the number button, “8” on the remote controller unit.	Region and firmware version display	x*1 y*2 z*3 w*4 / / *1 : Region number / *2 : System computer generation / *3 : System computer model type / *4 : System computer release number	Aut exit mo five
Laser use time	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the ▲ button on the remote controller unit. Press “FL Display” button for next page	Laser usage time / Measures each for DVD and CD respectively.	T1_ _1234/5678 (display1/ display2) / / The numbers in the left show usage time for DVD laser and those in the right for CD laser. The four-digit number is shown by the ten hours in the decimal digit. The number after 0000 is 9999.	Aut exit mo five

Item	Operational Condition and Key Function	Details	Display	TO
Reset laser use time	**While the usage time 1 is displayed, press and hold down the ■ button on the player and the ▼ button on the remote controller unit.**	**Laser usage time reset / Resets both for DVD and CD at once.**	**T1_ _0000/0000 (display1/ display2)**	**Aut exit mo five**
Spindle use time	**While the player is stopped and no disc is inserted, press and hold down the ■ button on the player and the ▶ button on the remote controller unit.**	**Spindle motor usage time**	**T2_00000 / / The four-digit number is shown by the ten hours in the decimal digit. The number after 00000 is 99999.**	**Aut exit mo five**
Reset spindle use time	**While the usage time 2 is displayed, press and hold down the ■ button on the player and the ◀ button on the remote controller unit.**	**Usage time 2 reset / Spindle motor usage time**	**T2_ _00000**	**Aut exit mo five**

Item	Operational Condition and Key Function	Details	Display	TO
Communication error display /	While the player is stopped and no disc is inserted, press and hold ■ down the button on the player and the MENU button on the remote controller unit. Press “FL Display” button for next page	Displays frequency of communication errors between system computer firm IC and mechanical computer IC during DVD module.	ECC_ _ _ 00	Pre ST Ope on t

15.7. CR16 Mechanism Ageing Mode

To perform the ageing mode:

1. **Enter into Test mode.**
2. **Press [3] button on remote control. It enters into ageing mode. (see below for ageing process)**

Ageing process:

1. **Tray 1 open.**
2. **It waits for one second (Note: Do not put any disc into the tray.**
3. **Tray close.**
4. **TOC READ (Reading incomplete)**
5. **Tray 2 open & repeat step 1 to step 4. (Process repeat until Tray 5)**
6. **Tray check.**
7. **Whole process complete (Counter on FL increase by 1)**

Note: To exit ageing mode, press [POWER] button. The unit will power down. Do not unplug the power cord until FL display shows “GOODBYE”. This is to avoid tray jam problem.

15.8. Operation Lock Function

15.8.1. Setting

- Operation Lock Function

1. **With the DVD/CD/▶ and POWER ON, and then press the [POWER] KEY on the remote control for 3 seconds to enter Lock mode B.**
   [_LOCKED_] will be displayed for 3 seconds, and the current disc will begin playing.
2. **Lock mode B primarily controls the selector and disc operations, and disenables for the following keys.**

Note:

OPEN/CLOSE ⏏ button are invalid and the player displays "_LOCKED_" while the lock function mode is entered.

- Prohibiting operation of selector and disk

1. **Select the DVD/CD/▶ function.**
2. **Press and hold down the DVD/CD/▶ button on the player and the power button on the remote controller unit for at least three seconds. (The message, "_LOCKED_" appears when the function is activated.)**

Note:
The following buttons are invalid and the player displays "_LOCKED_" while the lock function mode is entered.

Main unit:
DISC CHECK , ⏏, OPEN/CLOSE , ⏏, DISC CHANGE , 1–5 , REW/∨/I◀◀ ,
▶▶I/∧/FF , TUNER/BAND , AUX , ■ STOP , ◀ ▶, TAPE ,
● REC

Remote control:
0 – 9, ≧10 , QUICK OSD, V.MUTE , II , ■, CANCEL , MANUAL SKIP, QUICK REPLAY ,
TUNER/AUX , ◀ ▶, TAPE , FUNCTIONS, GROUP , SHIFT , REW/∨/I◀◀ , ▶▶I/∧/FF ,
MUTING , CLOCK/TIMER, SLEEP , FL DISPLAY, DIMMER , DISC, TUNER PGM ,
CD MODE , REPEAT , A.DISC REVIEW, PLAY SPEED , RETURN, ZOOM ,
◀◀, ▶▶, SLOW/SEARCH

15.9. Things to Do After Repair

Follow the procedure described below after repair.

1. While the power is on, press the ⏏ button to close the tray.

2. Press the power button to turn off the power.

3. Unplug the power cable.

Note:
It is prohibited to unplug the power cable while the tray is opened and to close the tray manually.

16. Cautions To Be Taken During Servicing

16.1. Recovery after the dvd player is repaired

- **When Flash ROM or DVD Module P.C.B. is replaced, carry out the recovery processing to optimize the drive. Playback the recovery disc to process the recovery automatically.**
- **Recovery disc (Product number=RFKZD03R005)**
- **Performing recovery**

1. **Load the recovery disc (Product number: RFKZD03R005) to the player and run it.**
2. **Recovery is performed automatically. When it is finished, a message appears on the screen.**
3. **Remove the recovery disc.**
4. **Turn off the power.**

16.2. DVD Player Firmware Version Upgrade Process

Firmware of DVD player may upgrade to conform to improvement of its performance and quality including operational range, playability of non-standardized discs, etc. The version upgrade disc contains the recovery function, and the recovery disc is not necessary.

Note:
Version upgrade process cannot be complete if the AC power is cut off due to power failure and other occasions during the process. If this occurs, replace FLASH ROM IC and restart version upgrade. Version upgrade disc number is informed when ordered.

16.3. Firmware Version Upgrade Process by Using Disc and Recovery Process

- **Recovery process**
- **Firmware version upgrade process**

Both of the above procedures automatically start when the recovery disc is replayed.General CD -R disc allows version upgrade process and recovery process, making version upgrade through disc simple. / Recovery process: Optimization process of player after replacement of FLASH ROM, EEPROM, or module circuit board / Version upgrade process: Renewal of firmware for improvement of operational range and performance

16.4. Using Recovery Disc

16.4.1. Recovery Process

1. **Insert the recovery disc (RFKZD03R005) to the player to replay.**
2. **The recovery process automatically starts, and a message of completion prompts on the screen.**
3. **Remove the disc.**
4. **Turn off the power.**

16.4.2. Version Upgrade Process

1. **Insert the recovery disc to the player to replay.**
2. **The version of player is automatically checked and prompts if necessary.**
3. **Select version upgrade process using the cursor keys on the remote controller unit. (Select YES or NO)**
4. **a. If YES is selected, the process starts.**
   b. If NO is selected, only the recovery process is applied.
5. **a. When the version upgrade process is complete, a message of completion appears on the screen. Remove the disc.**
   b. Follow the instruction appearing on the screen, and remove the disc.
6. **Turn off the power.**

16.5. Total Usage Time Display

1. Details of Operation/Display

1234 5678	Total usage time of DVD/CD lasers Time is shown by the ten hours in the decimal digit.
T2 1234	Total usage time of spindle motor Time is shown by the ten hours in the decimal digit.

Keys for Operation: / Laser usage time: While the player is stopped and no disc is inserted, press both the ■ button on the player and the ⏏ button on the remote controller unit. / Spindle motor usage time: While the player is stopped and no disc is

inserted, press both the ■ button on the player and the ▶ button on the remote controller unit. / / To reset the usage time, while the usage time is displayed: / Laser usage time: press both the ■ button on the player and the ▼ button on the remote controller unit. / Spindle motor usage time: press both the ■ button on the player and the ◀ button on the remote controller unit.

2. Purpose of Use
   To obtain reference data of laser and spindle motor systems during failure diagnosis. / To check faulty parts during re-repair.

16.6. After replacement of DVD Module

Below steps is to be performed after changing of DVD Module

1. Press ≥10 on remote control while pressing “STOP” on main unit.
2. FL will display “INITIALIZE”.
3. Press “STOP” & “ENTER” on remote control (For reset of unit)
4. FL will display “DVD RESET” before change to TOC reading again.
5. Power off the set. Unplug AC cord & wait for few seconds.
6. Plug in AC cord & power on set.

17. Disassembly and Assembly of Main Component

“ATTENTION SERVICER”
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. / Special reassembly procedures are

described only when required.

3. Select items from the following index when checks or replacement are required.

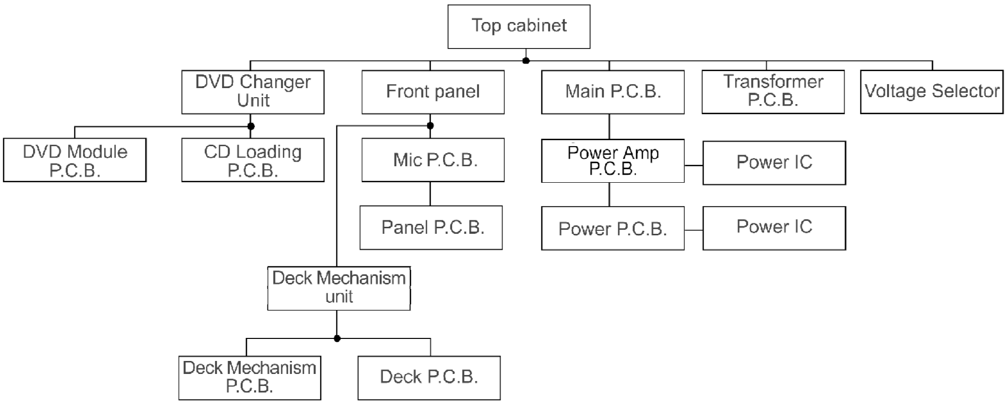
4. Refer to the Parts No. on the page of “Parts Location and Replacement Parts List” (Section 27), if necessary.

17.1. Disassembly steps

- Disassembly of Top Cabinet
- Disassembly of Rear Panel
- Disassembly of DVD Changer Unit
- Disassembly of Main P.C.B.
- Disassembly of Power Amp P.C.B.
- Disassembly of Power P.C.B.
- Disassembly of Transformer P.C.B. & Voltage Selector
- Disassembly of Front Panel Unit
- Disassembly of Mic P.C.B. & Panel P.C.B.
- Disassembly of Deck Mechanism Unit
- Replacement for Deck P.C.B.
- Replacement for Traverse Deck
- Replacement for Optical Pickup Unit (DVD Mechanism)
- Procedure for removing CD loading mechanism
- CR16 mechanism disassembly procedure
- CR16 mechanism assembly procedure
- Disassembly for Traverse Unit
- Replacement for cassette lid
- Rectification for tape jam problem

17.2. Disassembly flow chart

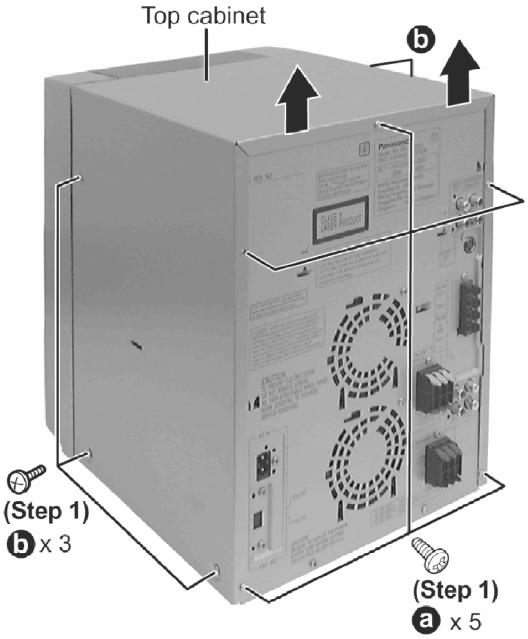
The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart as below.


Top cabinet
DVD Changer Unit
Front panel
Main P.C.B.
Transformer P.C.B.
Voltage Selector
DVD Module P.C.B.
CD Loading P.C.B.
Mic P.C.B.
Power Amp P.C.B.
Power IC
Panel P.C.B.
Power P.C.B.
Power IC
Deck Mechanism unit
Deck Mechanism P.C.B.
Deck P.C.B.

17.3. Disassembly of Top Cabinet

Step 1 Remove 3 screws at each side and 5 screws at rear panel.

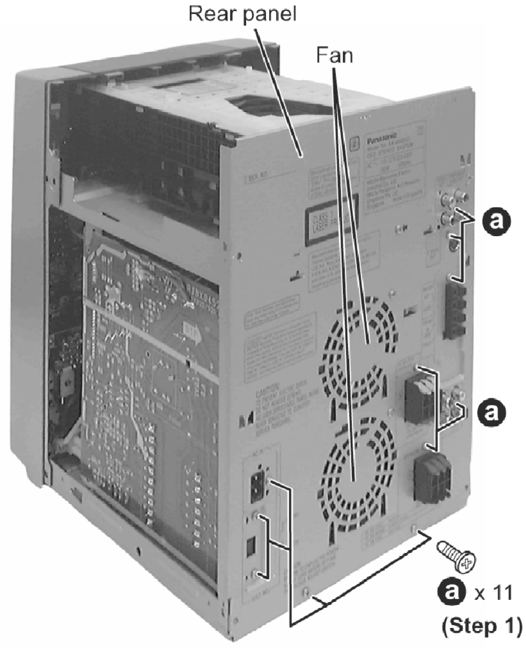
Step 2 Lift up both sides of the top cabinet, push the top cabinet towards the rear to remove the top cabinet.


Top cabinet
b
(Step 1)
b x 3
(Step 1)
a x 5

17.4. Disassembly of Rear Panel

- Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet

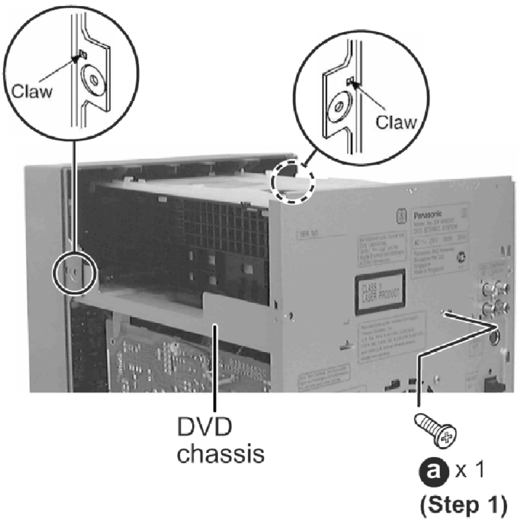
Step 1 Remove 11 screws and disconnect cables CN2810 and CN2813 (Fan) at rear panel as shown.


Rear panel
Fan
a
a
a x 11
(Step 1)

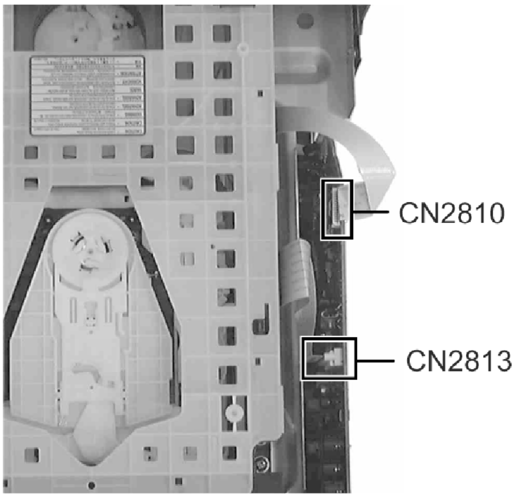
17.5. Disassembly of DVD Changer Unit

- Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet

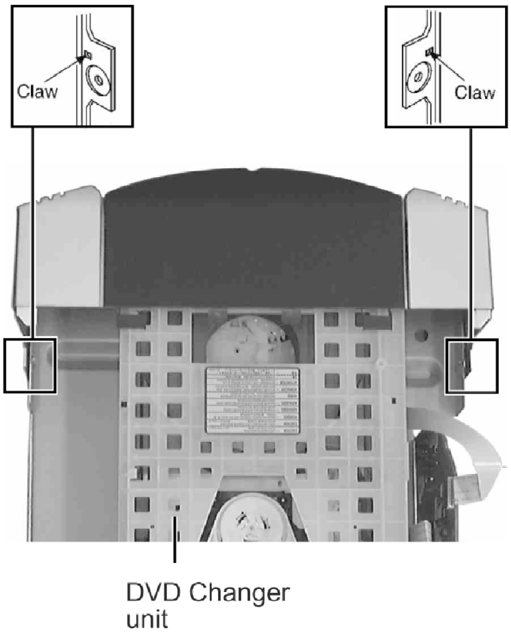
Step 1 Remove 1 screw at rear panel.

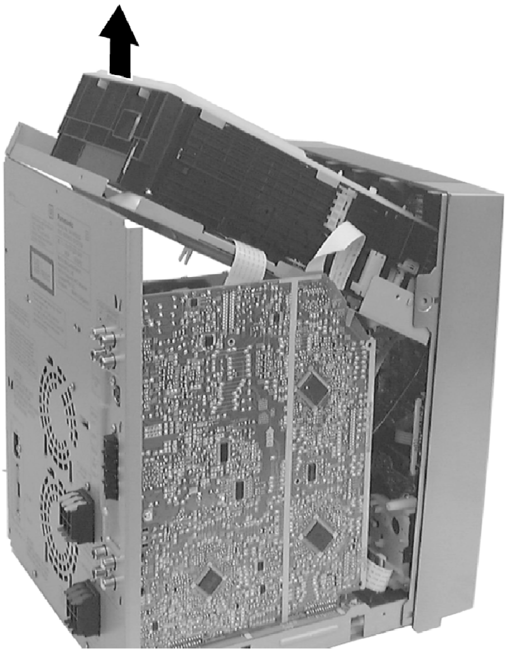

Claw
Claw
DVD chassis
a x 1
(Step 1)

Step 2 Detach the FFC cables (CN2810 & CN2813).

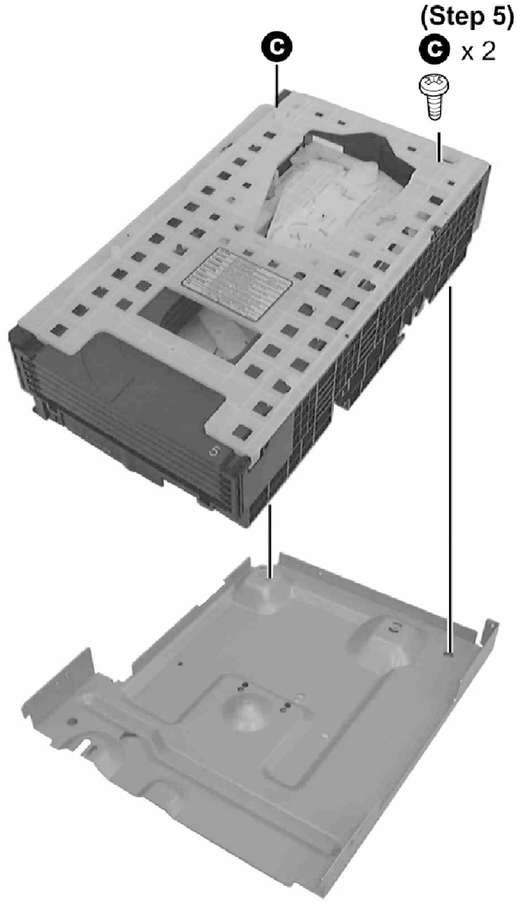

CN2810
CN2813

Step 3 Release the claws on both ends, and remove the DVD changer unit.


Claw
Claw
DVD Changer
unit

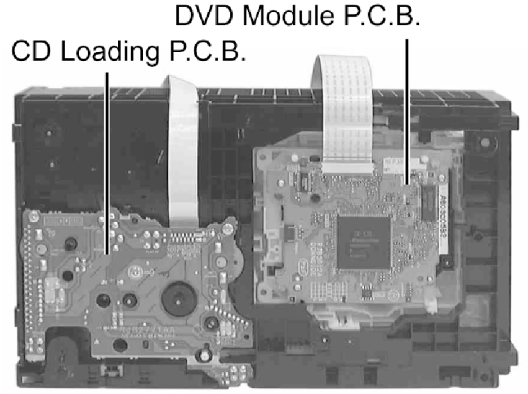


Step 4 Lift the DVD changer unit upwards.



Step 5 Remove 2 screws.
Step 6 Remove the DVD chassis.
Step 7 Lay the unit.

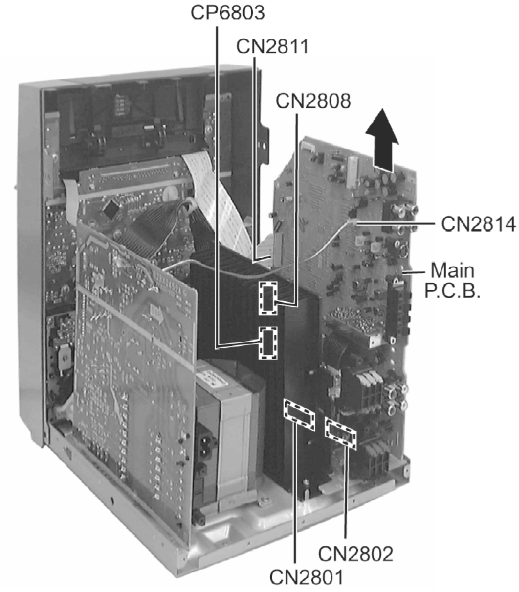
- **For disassembly of DVD mechanism unit, please refer to Section 17.16 of this manual.**


DVD Module P.C.B.
CD Loading P.C.B.

17.6. Disassembly of Main P.C.B.

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) of Item 17.4 - Disassembly of Rear Panel**
- **Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit**

Step 1 Disconnect FFC cables (CP6803, CN2811, CN2808 and CN2814).


CP6803
CN2811
CN2808
CN2814
Main P.C.B.
CN2802
CN2801

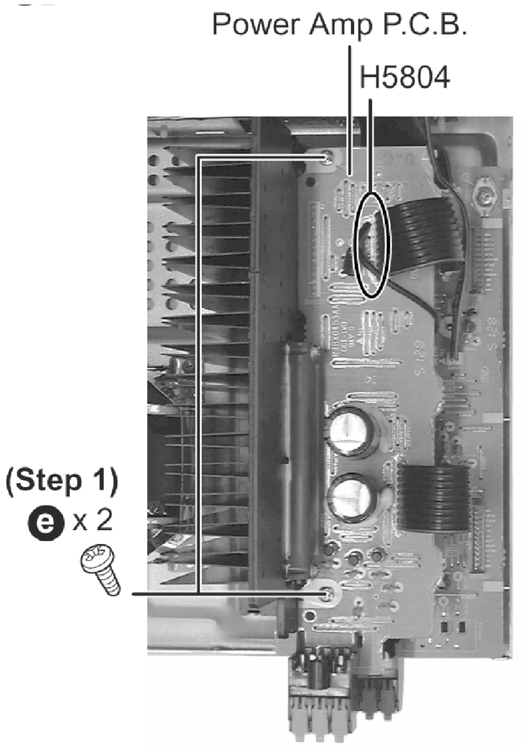
Step 2 Lift up Main P.C.B. by disconnecting connectors CN2801 & CN2802 as arrow shown above.

17.7. Disassembly of Power Amp P.C.B.

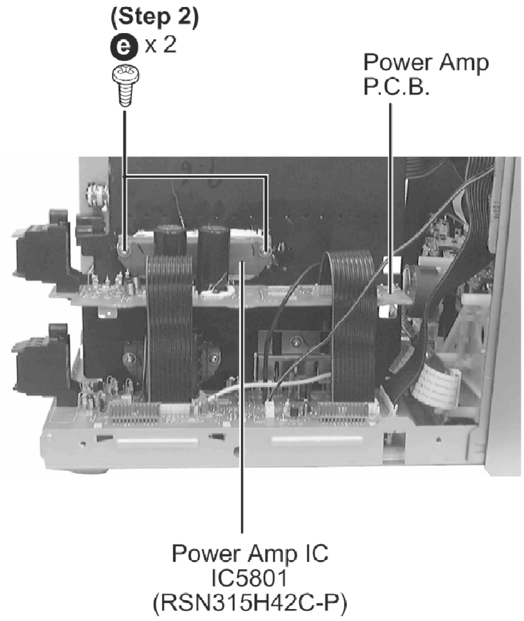
- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) of Item 17.4 - Disassembly of Rear Panel**

- **Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 2) of Item 17.6 - Disassembly of Main P.C.B.**

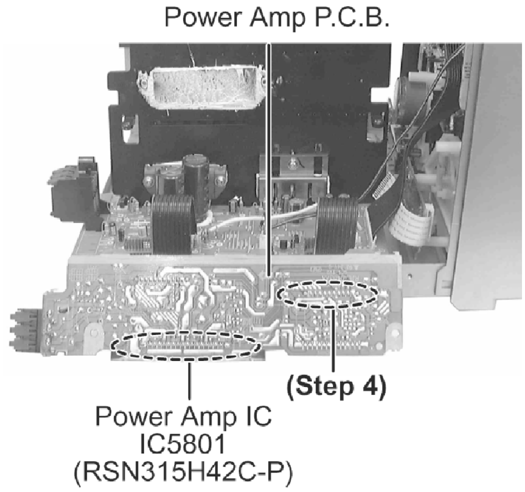
Step 1 Remove the 2 screws at Power Amp P.C.B..


Power Amp P.C.B.
H5804
(Step 1)
e x 2

Step 2 Remove the 2 screws at each Power Amp IC.


(Step 2)
e x 2
Power Amp
P.C.B.
Power Amp IC
IC5801
(RSN315H42C-P)

Step 3 Lift up the Power Amp P.C.B. to remove it.


Power Amp P.C.B.
(Step 4)
Power Amp IC
IC5801
(RSN315H42C-P)

Step 4 Desolder wire at holder H5804.

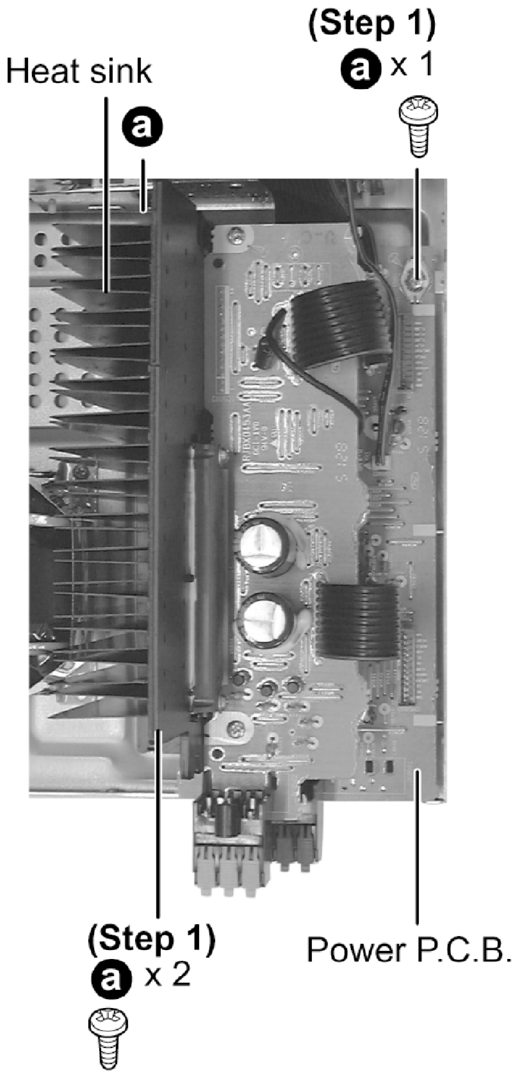
- Replacement of the Power Amp IC

Repeat Step 1 - Step 3 of Section 17.7 - Disassembly of Power Amp P.C.B.

17.8. Disassembly of Power P.C.B.

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) of Item 17.4 - Disassembly of Rear Panel**
- **Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 2) of Item 17.6 - Disassembly of Main P.C.B.**

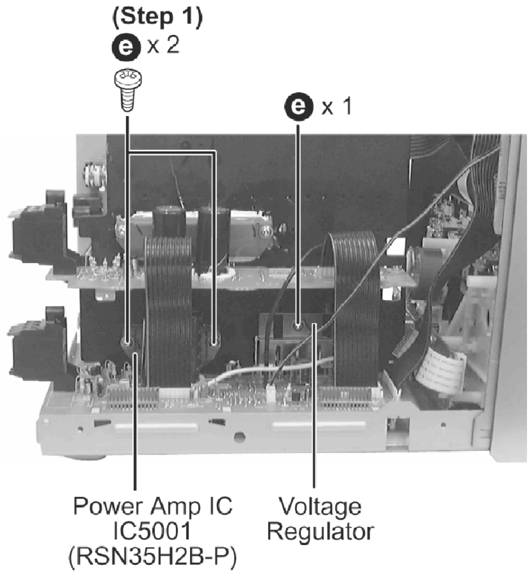
Step 1 Remove the 2 screws at heat sink and 1 screw at Power P.C.B..


(Step 1)
a x 1
Heat sink
a
(Step 1)
a x 2
Power P.C.B.

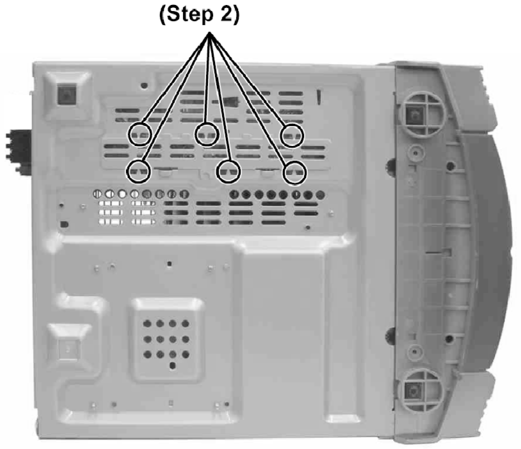
Note:
Insulate the Power P.C.B. with insulation material to avoid short circuit.

- Replacement of the Power Amp IC or Voltage Regulator

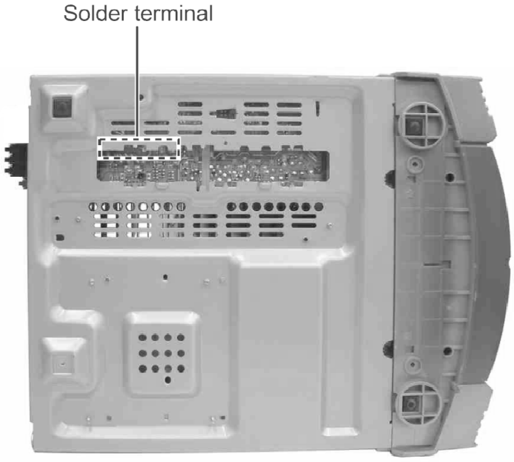
Step 1 Remove 2 screws at the Power Amp IC and or 1 screw to Voltage Regulator.


(Step 1)
e x 2
e x 1
Power Amp IC
IC5001
(RSN35H2B-P)
Voltage
Regulator

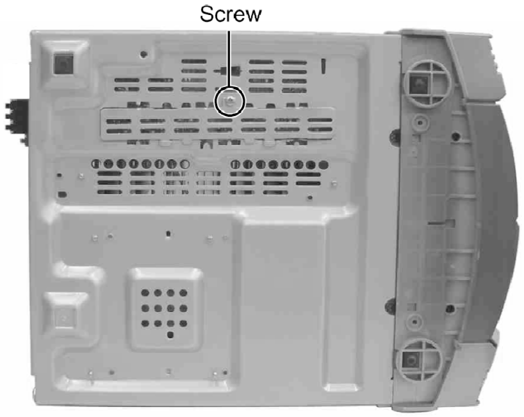
Step 2 Break the joints with a metal cutter as shown below.



Step 3 Unsolder the terminals to replace the components.


Solder terminal

Step 4 Fix back the cut portion with a screw as shown.

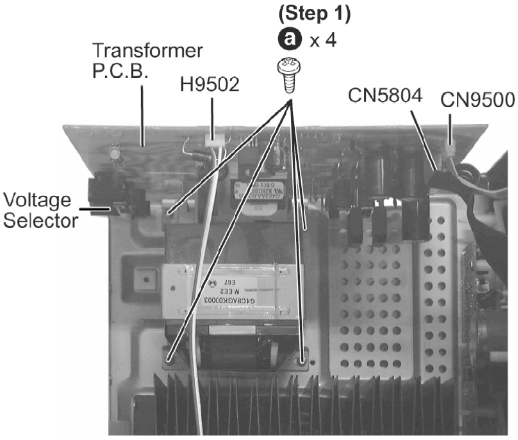


17.9. Disassembly of Transformer P.C.B. & Voltage Selector

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) of Item 17.4 - Disassembly of Rear Panel**
- **Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 2) of Item 17.6 - Disassembly of Main P.C.B.**
- **Follow the (Step 1) of Item 17.8 - Disassembly of Power P.C.B.**

Step 1 Remove 4 screws.

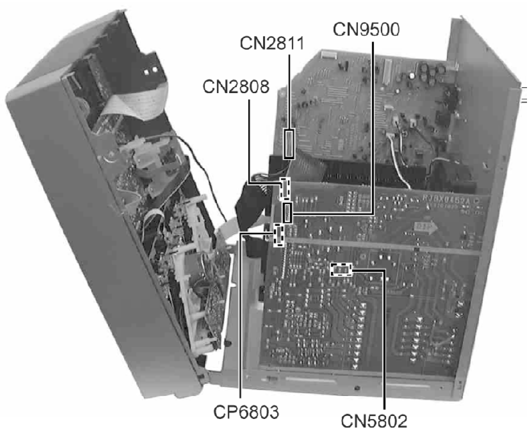
Step 2 Disconnect connectors CN5804, CN9500 & H9502.



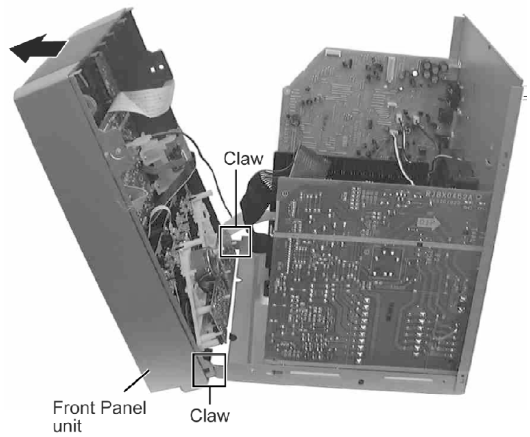
17.10. Disassembly of Front Panel Unit

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit**

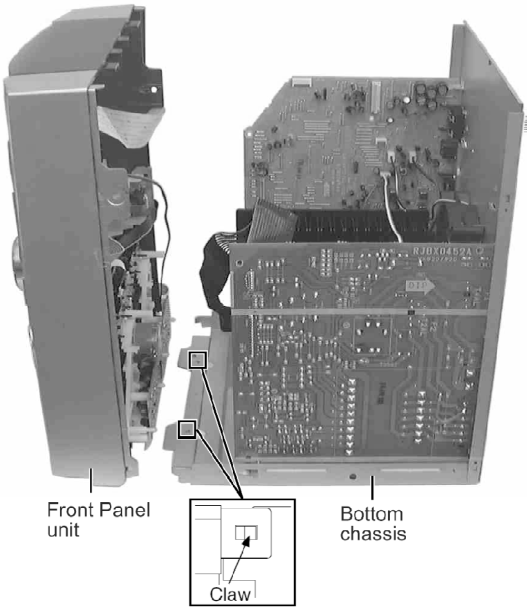
Step 1 Disconnect connectors CN9500, CN2811, CN2808, CP6803 & CN5802.


CN9500
CN2811
CN2808
CP6803
CN5802

Step 2 Bent the front panel unit forward as arrow shown.


Claw
Front Panel unit
Claw

Step 3 Press the 2 catch holders on both sides of the front panel unit to release the claws.


Front Panel unit
Bottom chassis
Claw

Step 4 Remove the front panel unit.

Note: Ensure 2 claws on bottom chassis is properly and fully catched to the front panel holes.

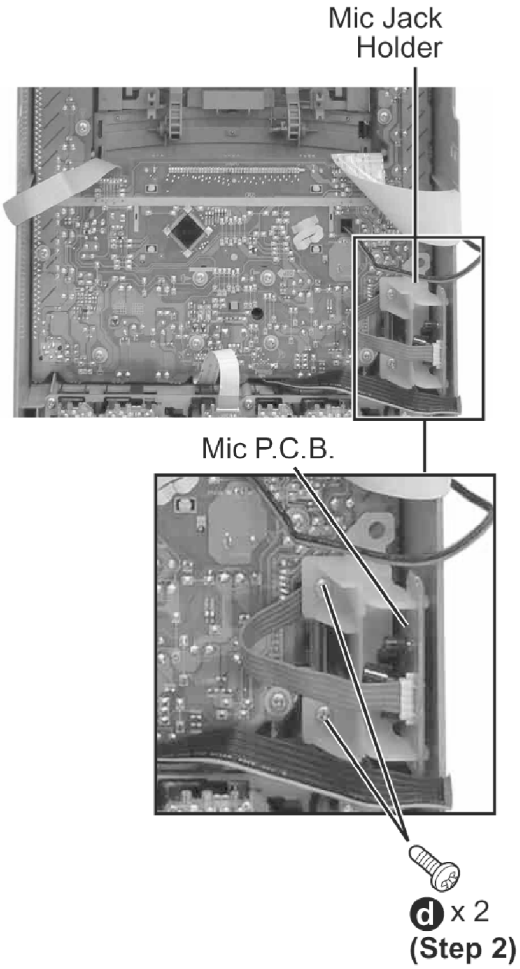
17.11. Disassembly for Mic P.C.B. & Panel P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet

- Follow the (Step 1) - (Step 4) of Item 17.5 - Disassembly of DVD Changer Unit

- Follow the (Step 1) - (Step 4) of Item 17.10 - Disassembly of Front Panel Unit

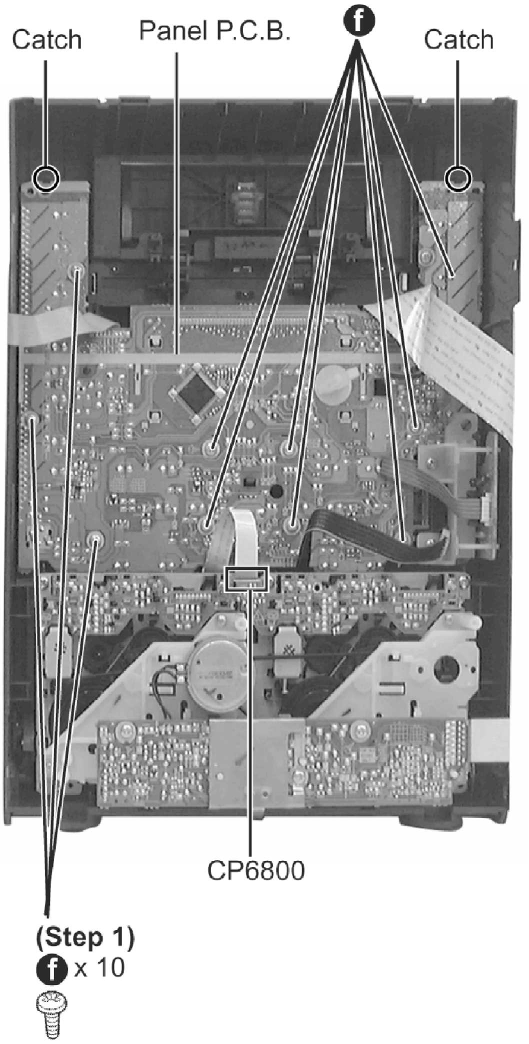
Step 1 Remove volume knob.



Step 2 Remove 2 screws.

Step 3 Lift up Mic Jack holder.

- Disassembly of Panel P.C.B.


Catch
Panel P.C.B.
f
Catch
CP6800
(Step 1)
f x 10

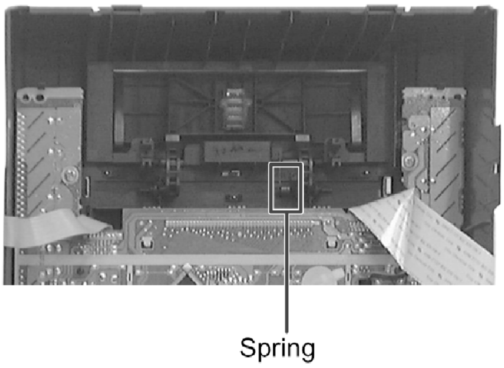
Step 4 Remove 10 screws.

Step 5 Disconnect FFC cable at CP6800.

Step 6 Release 2 catches.

17.11.1. Disassembly of Lid

Step 1 Lift the spring sideward.



Step 2 Remove Lid.

Note: Do not misplace the spring.

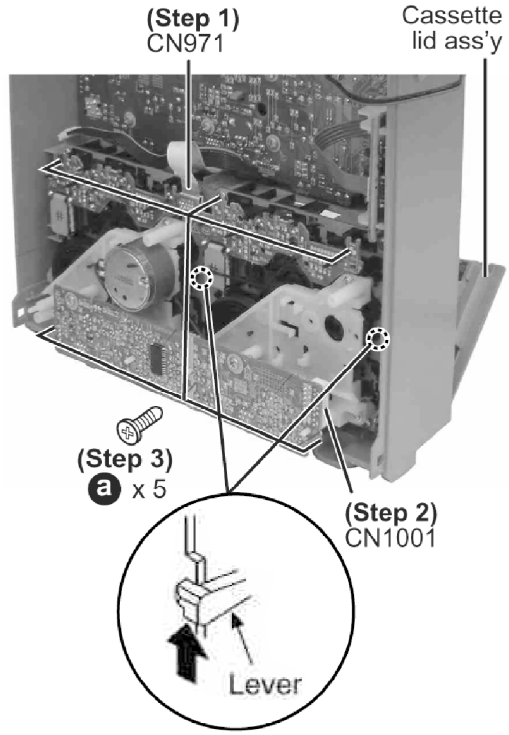
17.12. Disassembly of Deck Mechanism Unit

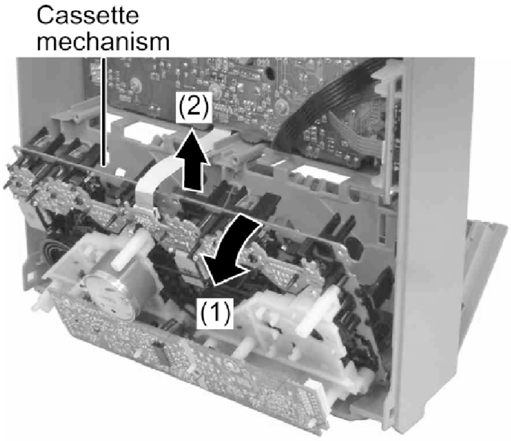
- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 6) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 4) of Item 17.10 - Disassembly of Front Panel Unit**

Step 1 Detach FFC wire CN971.

Step 2 Disconnect FFC flat cable from the connector CN1001.

Step 3 Remove the 5 screws.


(Step 1)
CN971
Cassette lid ass'y
(Step 3)
a x 5
(Step 2)
CN1001
Lever


Cassette mechanism
(2)
(1)

Step 4 Push the lever upward, and then open the cassette lid ass'y (For DECK1 and DECK2).

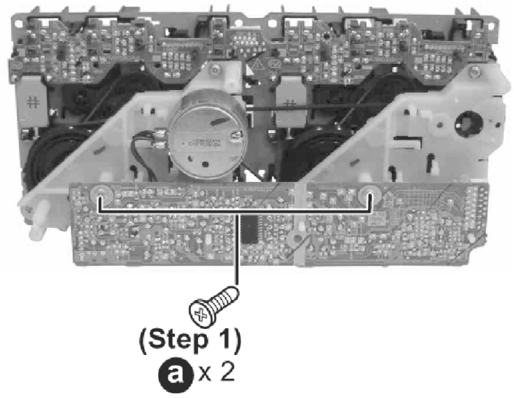
Step 5 Tilt the cassette mechanism unit in the direction of arrow (1), and then remove it in the

direction of arrow (2).

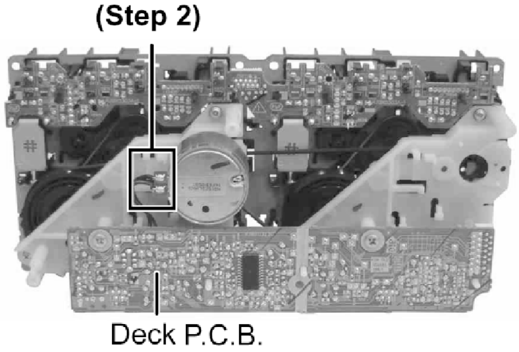
17.13. Replacement for Deck P.C.B.

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 6) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 4) of Item 17.10 - Disassembly of Front Panel Unit**
- **Follow the (Step 1) - (Step 5) of Item 17.12 - Disassembly of Deck Mechanism Unit**

Step 1 Remove 2 screws.



Step 2 Unsolder the motor terminals.

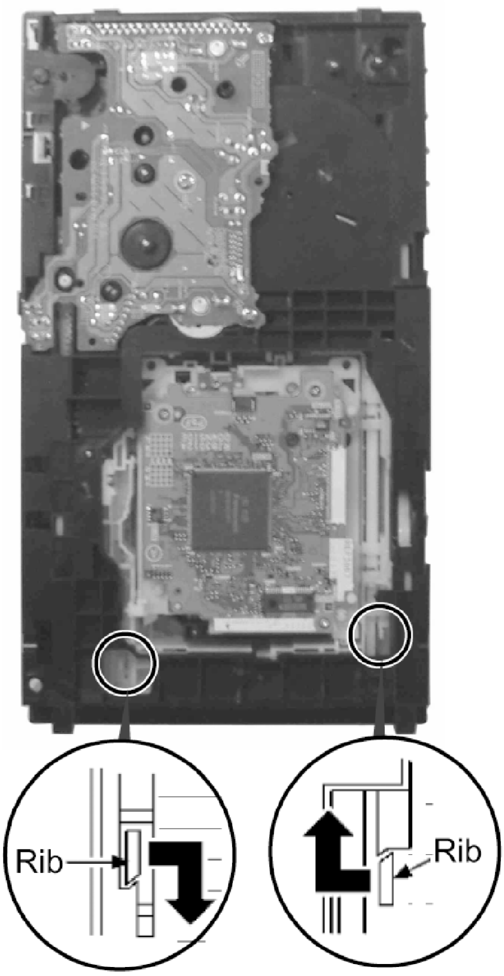


Step 3 Remove Deck P.C.B.

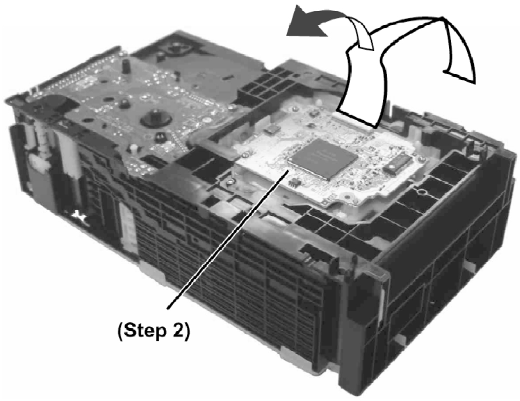
17.14. Replacement for Traverse Deck

- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 7) of Item 17.5 - Disassembly of DVD Changer Unit**

Step 1 Move ribs at both sides to the arrow direction (The vertical rack (R) slides and the groove opens).



Step 2 Remove DVD traverse deck by rotating to the arrow direction.

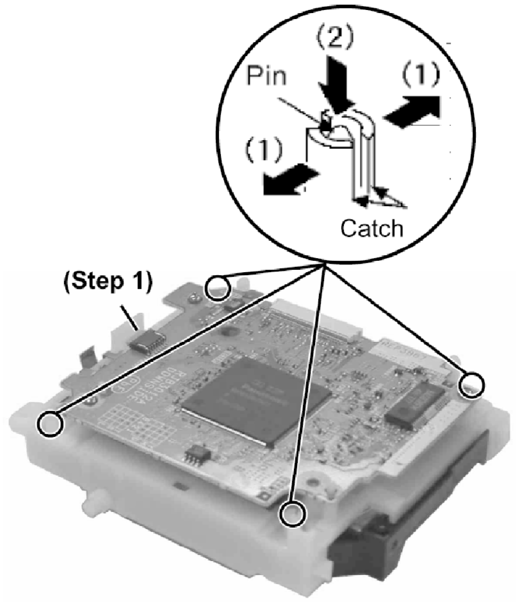


17.15. Replacement for Optical Pickup Unit (DVD mechanism)

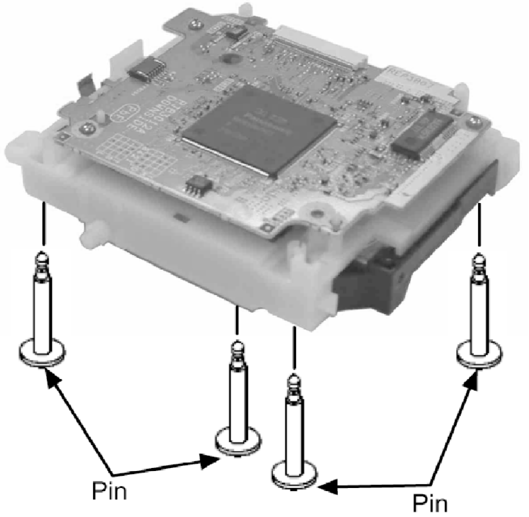
- **Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 7) of Item 17.5 - Disassembly of DVD Changer Unit**
- **Follow the (Step 1) - (Step 2) of Item 17.14 - Replacement of**

Traverse Deck

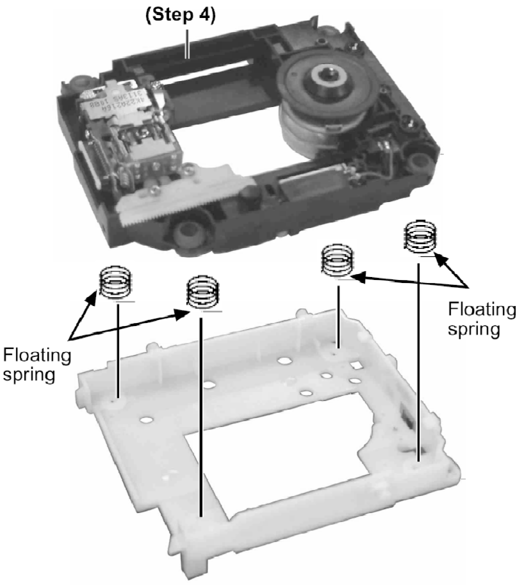
Step 1 Pull out FFC.


(2)
Pin
(1)
(1)
Catch
(Step 1)

Step 2 Widening the catch, push the pin in.

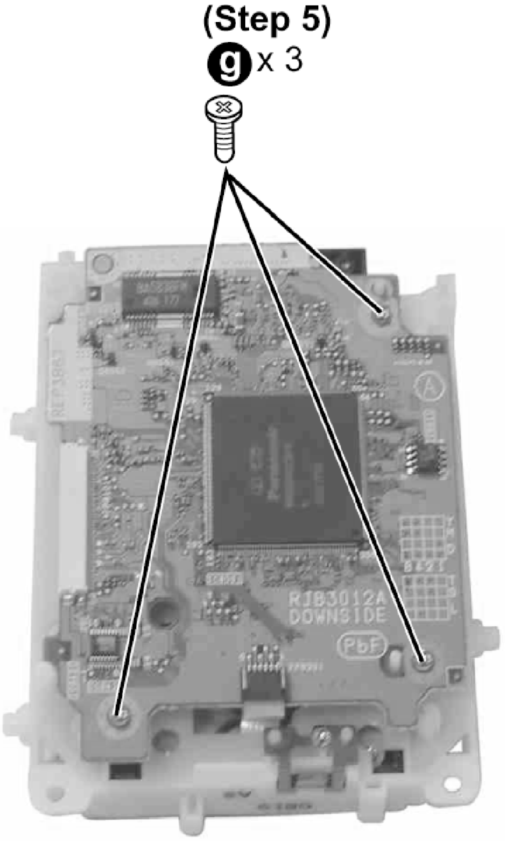


Step 3 Remove 4 pins.


(Step 4)
Floating spring
Floating spring

Step 4 Remove the traverse deck.

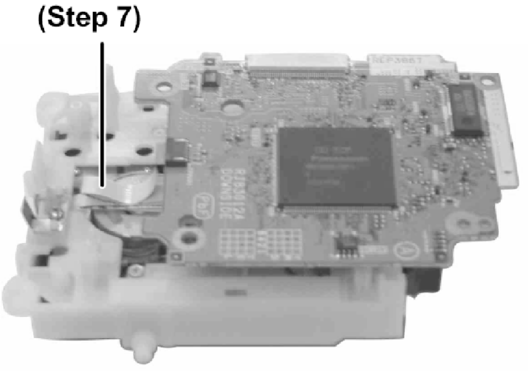
Note: As floating springs (4 pieces) come off at the same time, be careful not to lose them.

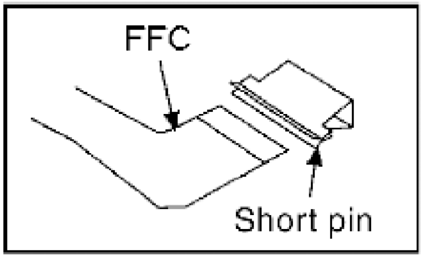

(Step 5)
g x 3
RJB3012A
DOWNSIDE
PbF

Step 6 Remove the dvd module board and turn it over.

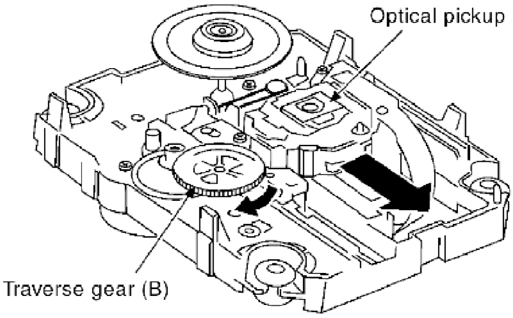
Step 7 Pull FFC out from the connector.

Note: Insert a short pin into FFC of the optical pickup. [See "Notice on handling of the optical pickup"].

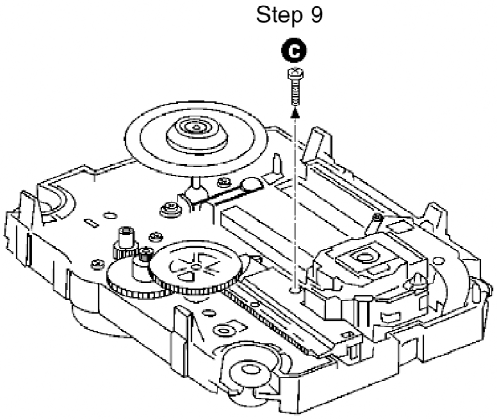



FFC
Short pin

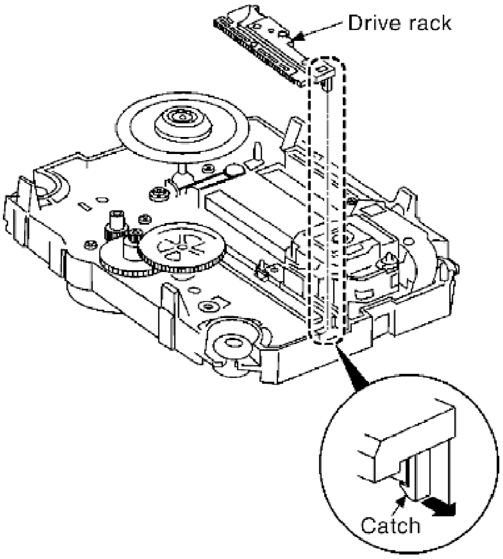
Step 8 Rotate the traverse deck (B) to the arrow direction and shift the optical pickup to the furthest backward.


Optical pickup
Traverse gear (B)

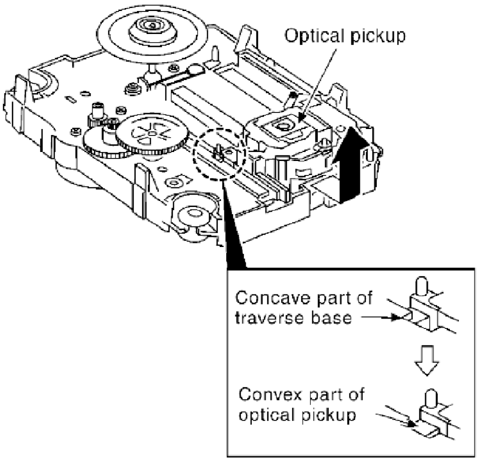
Step 9 Remove 1 screw.

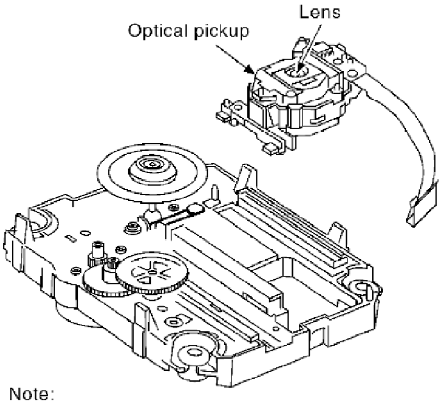


Step 10 Remove the catch of the drive rack, and take out the drive rack.


Drive rack
Catch

Step 11 Place the convex part of an optical pickup to the concave part of a traverse base, then take out the optical pickup.


Optical pickup
Concave part of
traverse base
Convex part of
optical pickup


Lens
Optical pickup

Note:
Do not touch the lens of the optical pickup

17.16. Procedure for removing CD loading mechanism

1. Turn off by pressing power SW in the body.

2. Unplug AC power cord after the indication of [GOOD-BYE], then disassemble the body.

3. Disassemble the body, and take out CD loading mechanism.

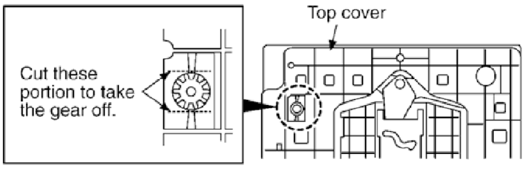
4. Perform disassembly according to the following procedure for disassembly.

17.17. CR16 mechanism disassembly procedure

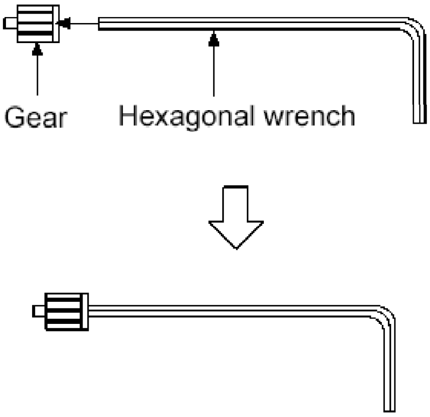
17.17.1. Gear for servicing information

- **This unit has a gear which used for checking items (open/close of disc tray, up/down operation of traverse unit by manually) when servicing. (For gear information, that is described on the items for disassembly procedures.)**
- **For preparation of gear (for servicing), perform the procedures as follows.**
- **In case of re-servicing the same set, the "gear for servicing" may be took off because it had been used. So, the "gear for servicing" must be stored.**

1. Remove the gear attached to top cover of CD loading mechanism.



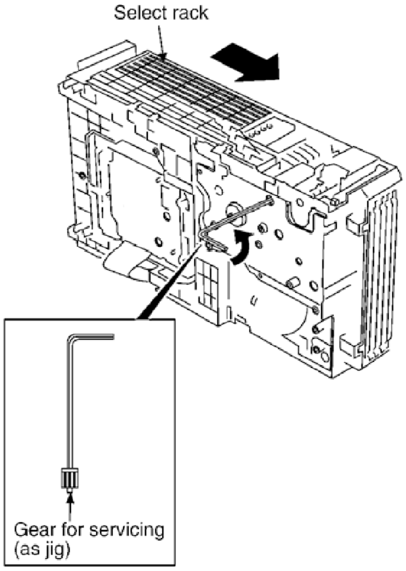
2. Insert the hexagonal wrench (2.5mm) into the gear.



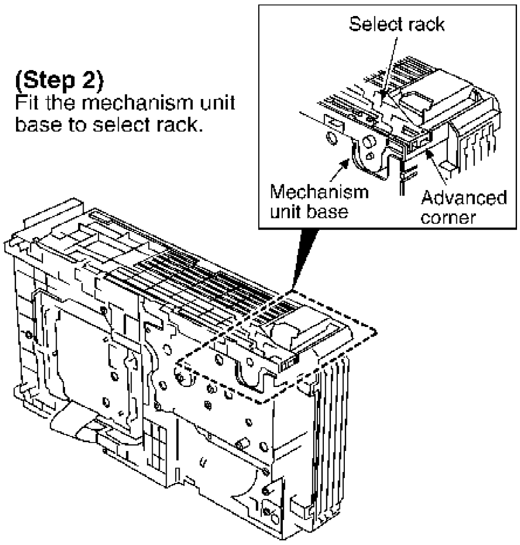
(Preparation of gear as jig is completed)

17.17.2. Replacement for the disc tray

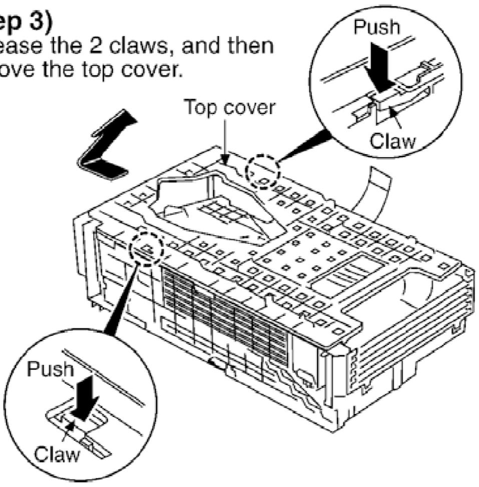
(Step 1)
Rotate the gear for servicing and move the select rack to advanced corner.


Select rack
Gear for servicing (as jig)

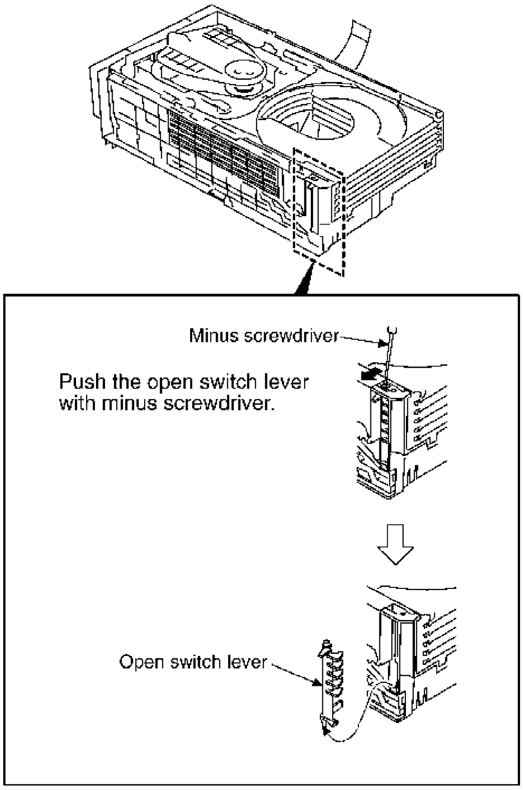
(Step 2)
Fit the mechanism unit base to select rack.


Select rack
Mechanism unit base
Advanced corner

(Step 3)
Release the 2 claws, and then remove the top cover.

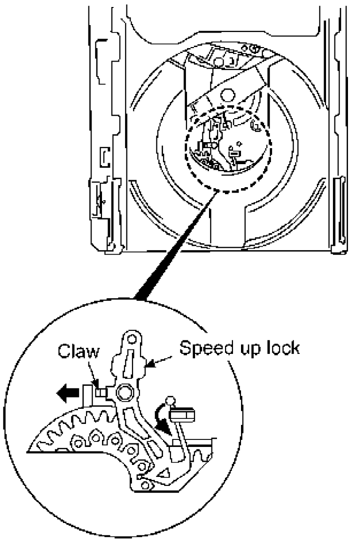

Push
Claw
Top cover
Push
Claw

(Step 4)
Remove the open switch lever.


Push the open switch lever with minus screwdriver.

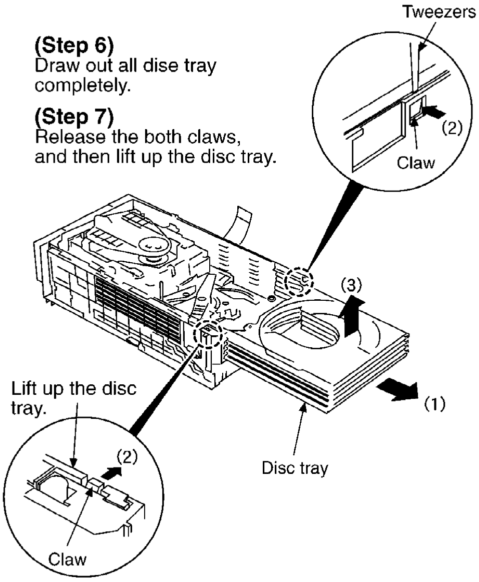
Minus screwdriver
Open switch lever

(Step 5)
Release the claw, and then remove the speed up lock.


Claw
Speed up lock

(Step 6)
Draw out all dise tray completely.

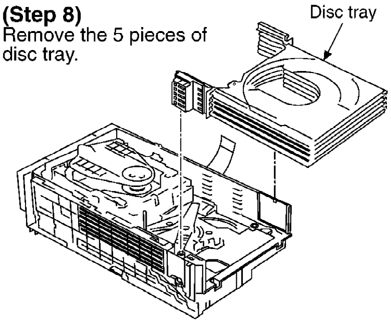
(Step 7)
Release the both claws, and then lift up the disc tray.

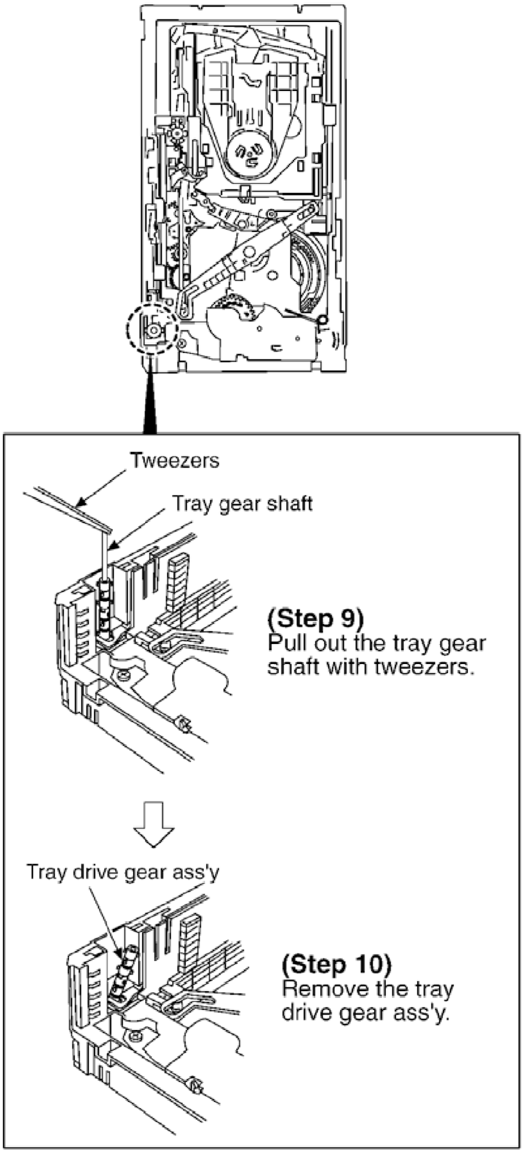

Insert the tweezers between the mechanism base and disc tray, and then lift up the disc tray.

Lift up the disc tray.

Tweezers
(2)
Claw
(3)
(1)
Disc tray
(2)
Claw

(Step 8)
Remove the 5 pieces of disc tray.




Tweezers
Tray gear shaft
Tray drive gear ass'y

(Step 9)
Pull out the tray gear shaft with tweezers.

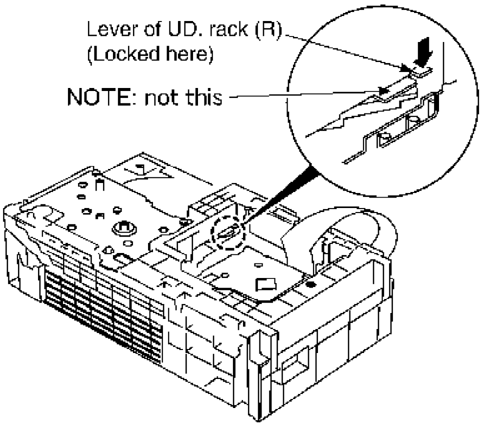
(Step 10)
Remove the tray drive gear ass'y.

17.17.3. Replacement for the traverse deck

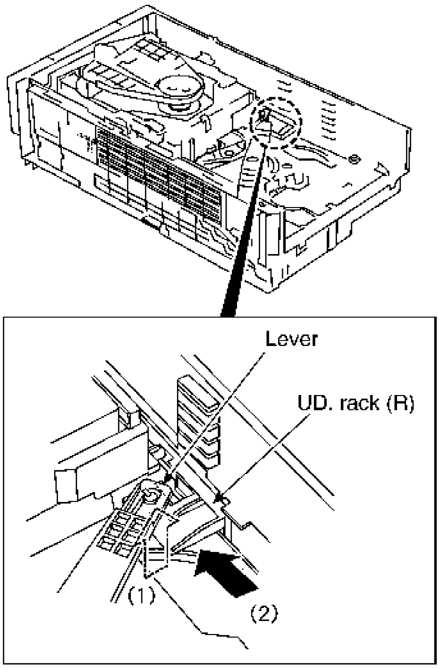
- Follow the (Step 1) - (Step 10) of item 17.17.2.

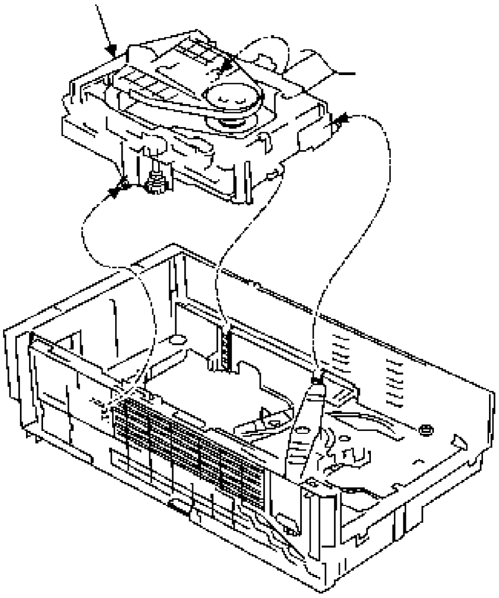
(Step 1)
Confirm the position for lever of UD. rack (R) to remove traverse unit.

(Step 2)
Turn the unit over. (Upside: P.C.B.)


Lever of UD. rack (R)
(Locked here)
NOTE: not this

(Step 3)
Turn the unit over again, slide UD. rack (R) while pushing up the lever from the bottom.


Lever
UD. rack (R)
(1)
(2)

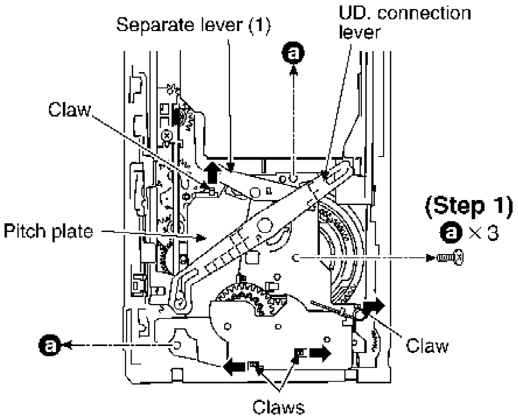


(Step 4)
Remove the traverse unit.

17.17.4. Disassembly for CD loading unit

- Follow the (Step 1) - (Step 10) of item 17.17.2.

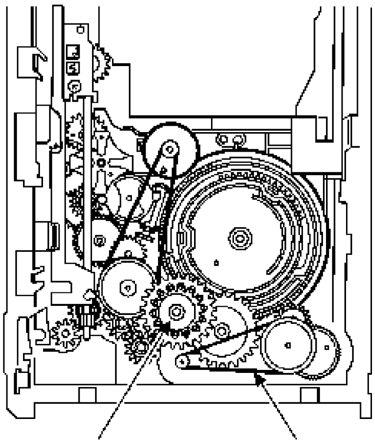
- Follow the (Step 1) - (Step 4) of item 17.17.3.


Separate lever (1)
UD. connection lever
a
Claw
Pitch plate
a
Claw
Claws

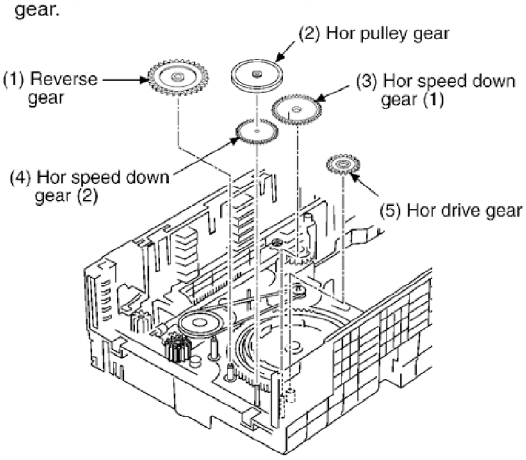
(Step 1)
a × 3

(Step 2)
Release the 4 claws, and then remove the pitch plate together with separate lever (1) and UD. connection lever.

(Step 3)
Remove the speed up gear and hor belt.

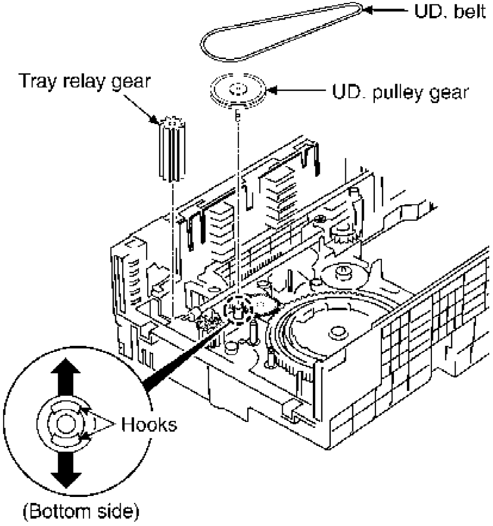

Speed up gear
Hor belt

(Step 4)
Remove the reverse gear, hor pulley gear, hor speed down gear (1), hor speed down gear (2) and hor drive gear.

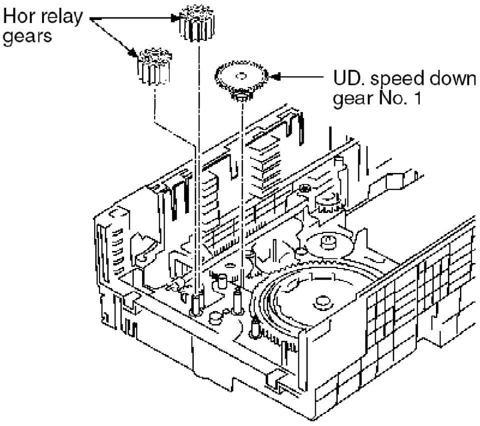

(2) Hor pulley gear
(1) Reverse gear
(3) Hor speed down gear (1)
(4) Hor speed down gear (2)
(5) Hor drive gear

(Step 5)
Remove the UD. belt and tray relay gear.

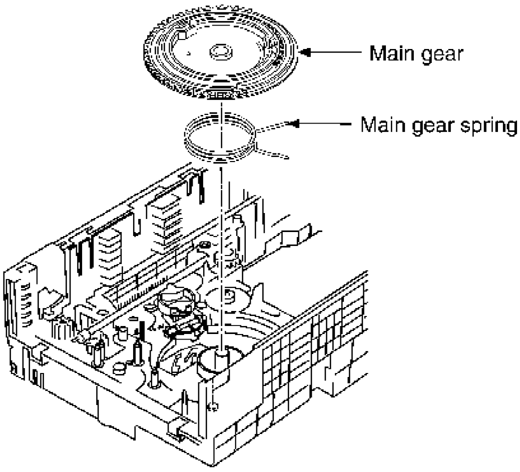
(Step 6)
Pull out the UD. pulley gear, loosen 2 hooks of the bottom of mechanism base.


UD. belt
Tray relay gear
UD. pulley gear
Hooks
(Bottom side)

(Step 7)
Remove the 2 hor relay gears and UD. speed down gear No. 1.

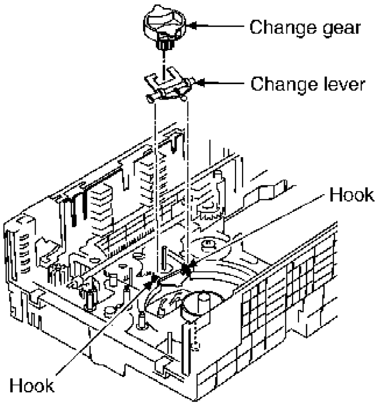

Hor relay gears
UD. speed down gear No. 1

(Step 8)
Remove the main gear and main gear spring.

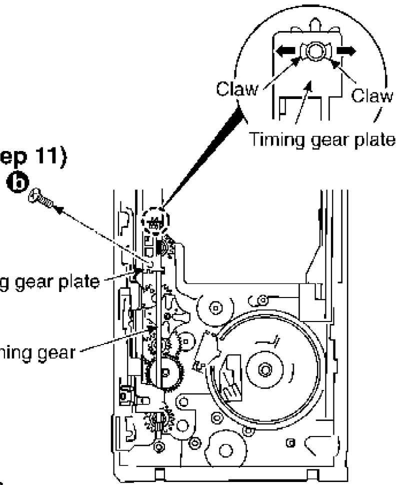

Main gear
Main gear spring

(Step 9)
Remove the change gear.

(Step 10)
Raise the change lever upright, and pull it out of hook.


Change gear
Change lever
Hook
Hook

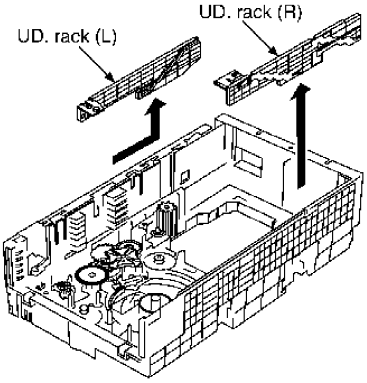
(Step 11)


b
Claw
Claw
Timing gear plate
Timing gear plate
Timing gear

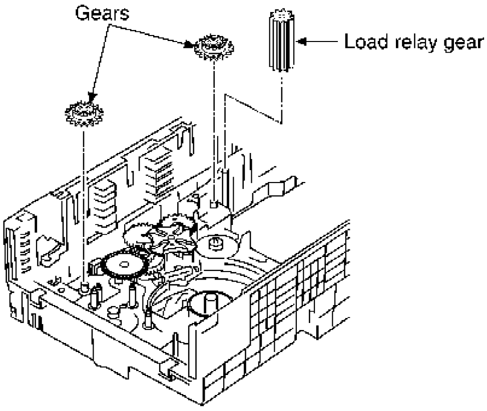
(Step 12)
Release the 2 claws, and then remove the timing gear and timing gear plate.

(Step 13)
Move the UD. rack (L) to backward, and then remove it.

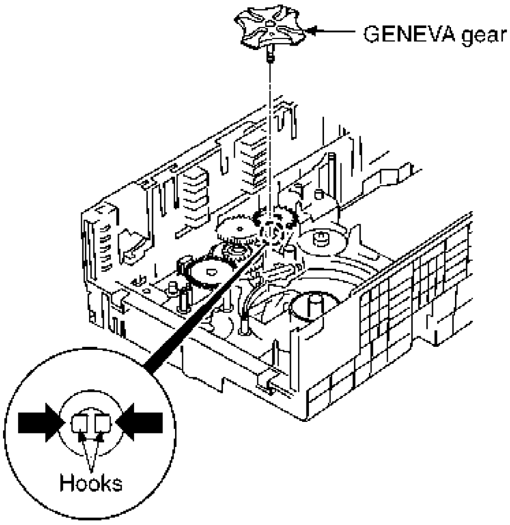
(Step 14)
Remove the UD. rack (R).


UD. rack (R)
UD. rack (L)

(Step 15)
Remove the 2 gears and load relay gear.

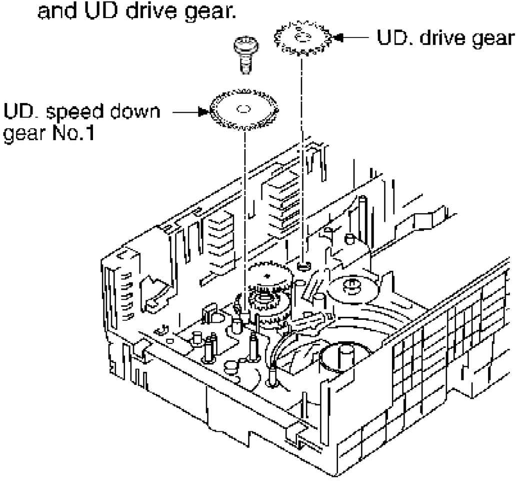

Gears
Load relay gear

(Step 16)
Pull out the GENEVA gear, loosen 2 hooks of the bottom of mechanism base.


GENEVA gear
Hooks

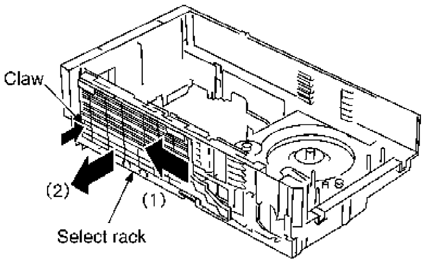
(Bottom side)

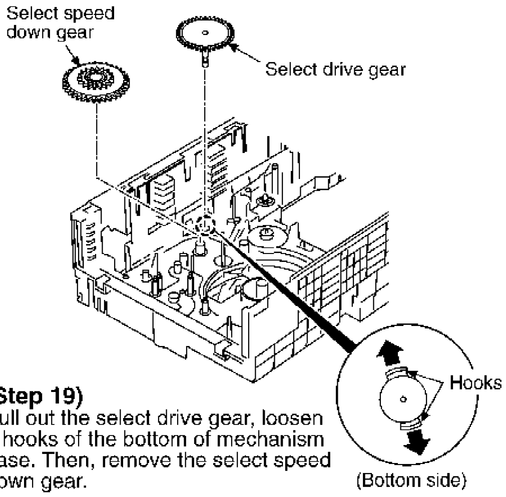
(Step 17)
Remove the UD. speed down gear No.1 and UD drive gear.


UD. drive gear
UD. speed down gear No.1

(Step 18)

Slide the select rack to the edge direction of the arrow (1). Push the claw and pull out to arrow (2) while sliding the select rack to the arrow (1).


Claw
(2)
(1)
Select rack

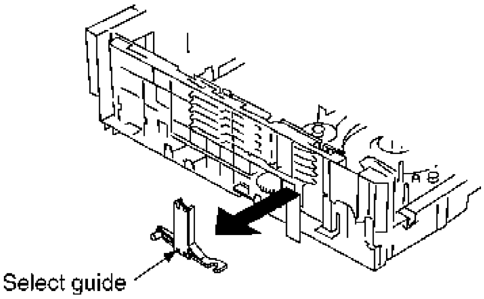

Select speed down gear
Select drive gear
Hooks
(Bottom side)

(Step 19)

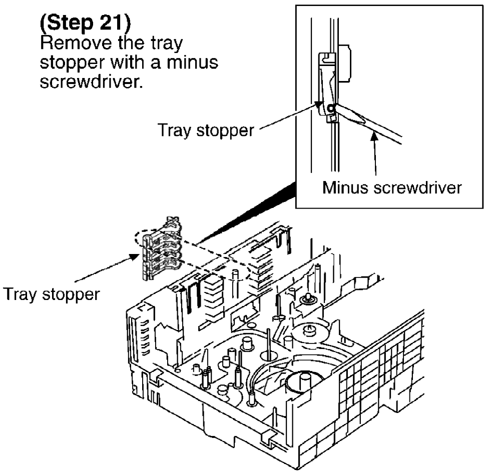
Pull out the select drive gear, loosen 2 hooks of the bottom of mechanism base. Then, remove the select speed down gear.

(Step 20)

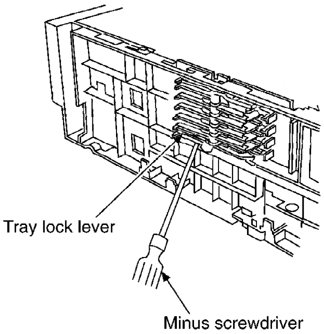
Remove the select guide after sliding upside.


Select guide

(Step 21)
Remove the tray stopper with a minus screwdriver.


Tray stopper
Minus screwdriver
Tray stopper

(Step 22)
Remove the bottom of the tray lock lever with a minus screwdriver and others.

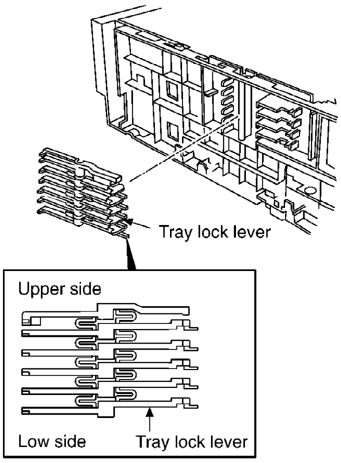

Tray lock lever
Minus screwdriver

17.18. CR16 mechanism assembly procedure

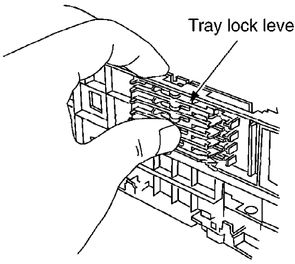
The following specified greases and/or oil must be applied when some specific parts are changed.

1. **Floil grease (VFK1298) : The floil grease must be applied to tray, tray (L) and tray (R).**
2. **Hanarl oil (VFK1700) : The hanarl oil must be applied to any parts with grease other than the said parts.**

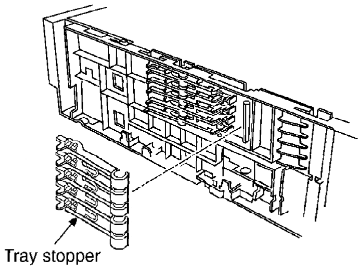
(Step 1)
Install the tray lock lever to mechanism base.


Tray lock lever
Upper side
Low side
Tray lock lever

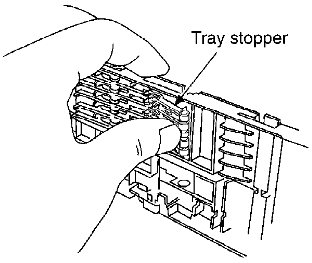
(Step 2)
Push the tray lock lever with a hand and install it.


Tray lock lever

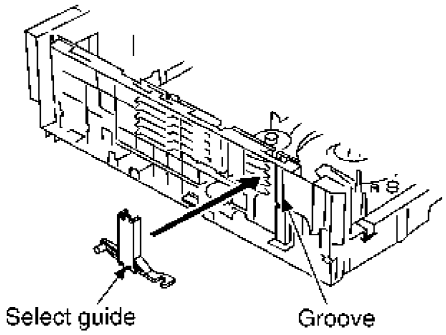
(Step 3)
Install the tray stopper to mechanism bese.


Tray stopper

(Step 4)
Push the tray stopper with a hand and install it.

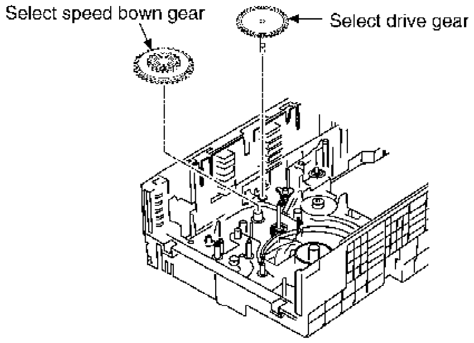

Tray stopper

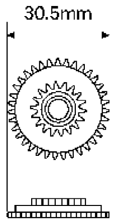
(Step 5)
Insert the select guide with a groove of the mechanism base and move it below.


Select guide
Groove

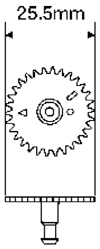
(Step 6)
Install the select speed down gear to mechanism base.

(Step 7)
Install the select drive gear to mechanism base.


Select speed bown gear
Select drive gear

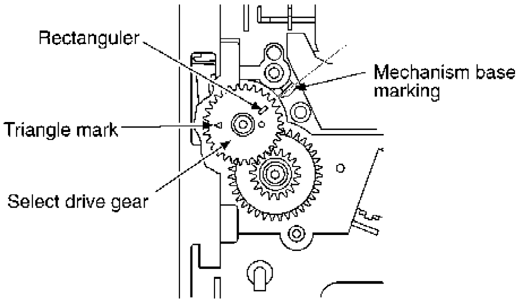


Select speed down gear
(White)



Select drive gear
(White)

(Step 8)
Fit a mechanism base marking to the rectanguler mark of gear so that the triangle mark can indicate the sideward direction.

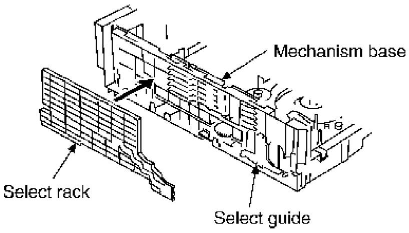

Rectanguler
Mechanism base marking
Triangle mark
Select drive gear

(Step 9)

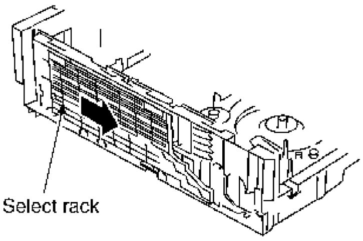
Install the select rack to mechanism base.

(Checking items before the installation.
1. Check select guide is completely in lowest position.
2. Check its phase of select drive gear is correct position.(Rectangle/Triangular mark)(Refer to Step 8))

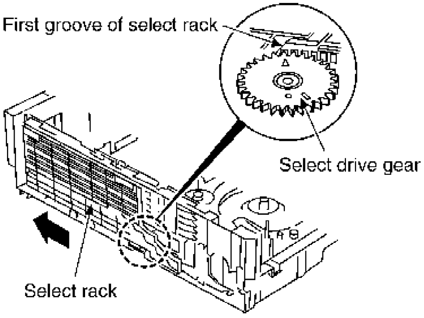
1. Put a select rack down with it fitted to its circumference of mechanism base.


Mechanism base
Select rack
Select guide

2. Slide the select rack with it's pushing to a little right direction and install it.

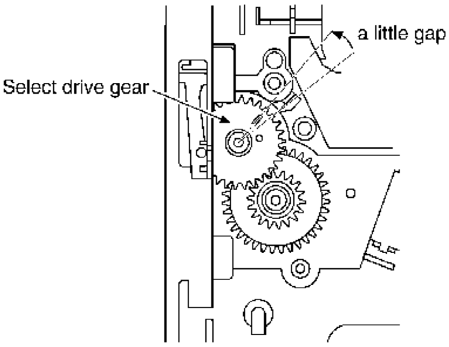

Select rack

(Figure to see from the inside)

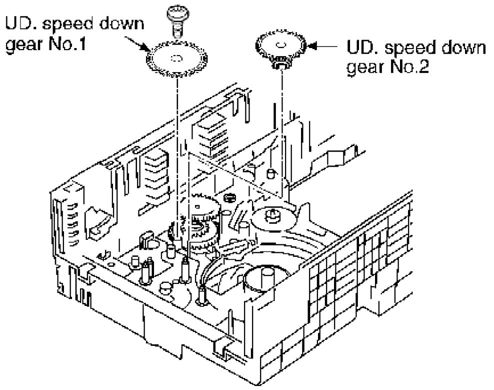

First groove of select rack
Select drive gear
Select rack

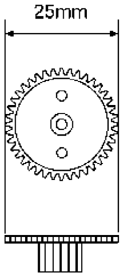
3. Check whether its end of triangular mark is in first groove of select rack, after fixing.
4. After insertion of select rack, continue the following work until the indication that it gose forward. And, all the while it must be checked that select rack is in the extreme end.

5. After insertion the select rack, the marking of select gear has a little gap when it is in the extreme end.

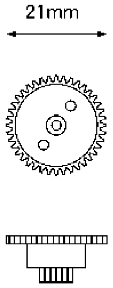

a little gap
Select drive gear

(Step 10)
Install the UD. speed down gear No.1 and UD. speed down gear No.2.


UD. speed down gear No.1
UD. speed down gear No.2

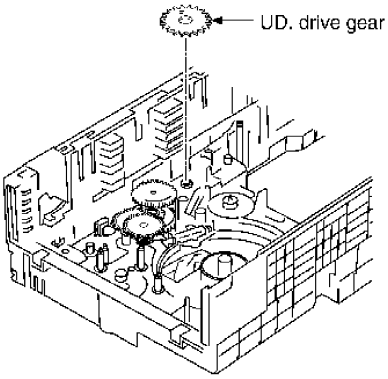


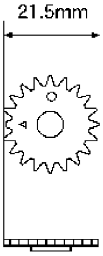
UD. speed down gear No.1
(White)



UD. speed down gear No.2
(Semi-transparent)

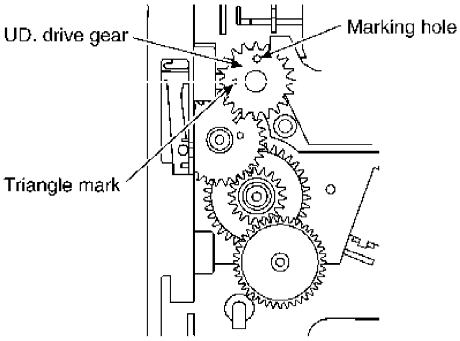
(Step 11)
Install the UD. drive gear to mechanism base.


UD. drive gear

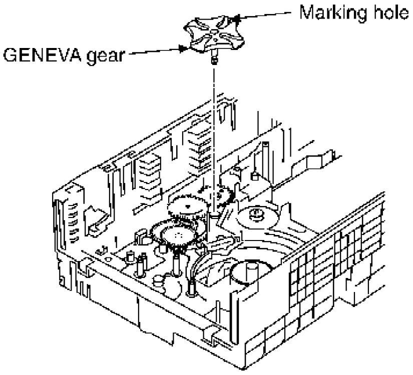


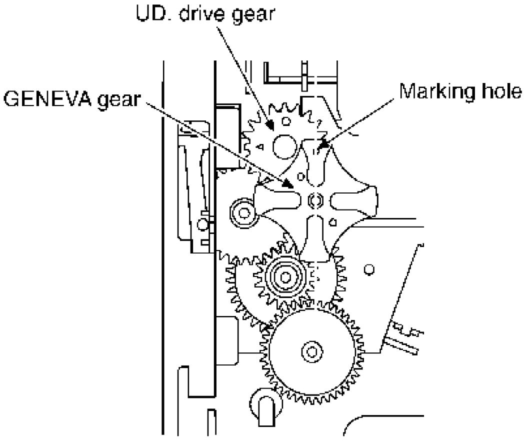
UD drive gear
(White)

(Step 12)
Insert the UD. drive gear with its marking hole upward.
At that time, its triangle mark should be sideways.


UD. drive gear
Marking hole
Triangle mark

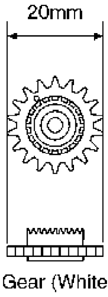
(Step 13)
Insert the GENEVA gear with its marking hole upward, and fix it by 2 hooks on bottom of mechanism base.
At that time, UD. drive gear mustn't be moved.

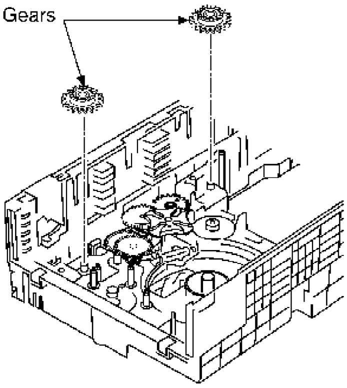

Marking hole
GENEVA gear


UD. drive gear
GENEVA gear
Marking hole

(Step 14)

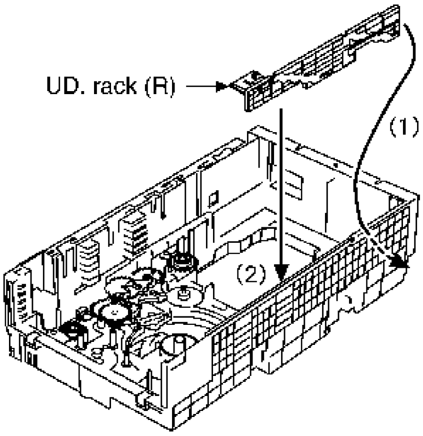
Install the 2 gears to mechanism base.


20mm
Gear (White)



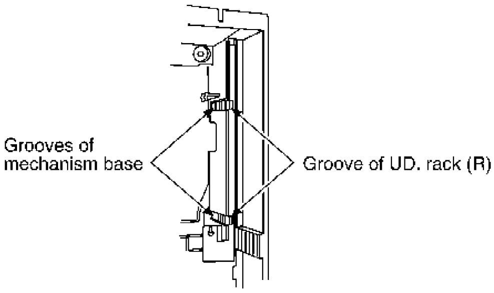
(Step 15)

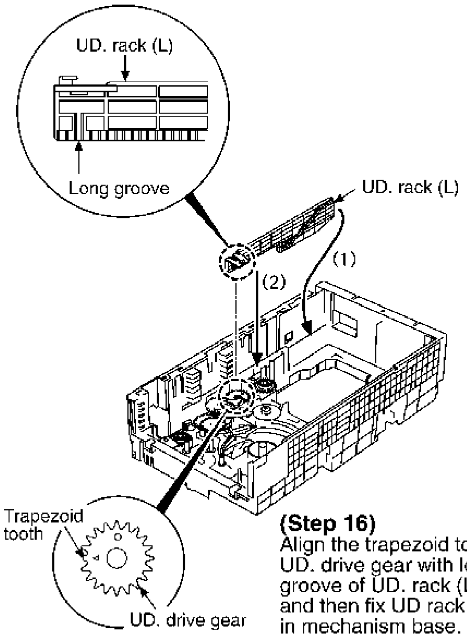
Insert the UD. rack (R) to (2) from arrow (1).



NOTE:

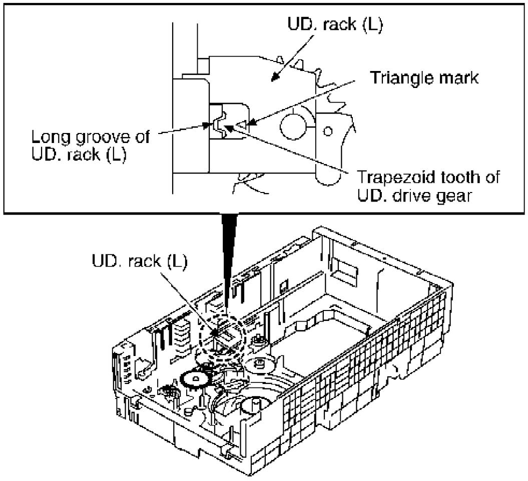
Put a groove of the mechanism base to the UD. rack (R).


Grooves of mechanism base
Groove of UD. rack (R)


UD. rack (L)
Long groove
UD. rack (L)
(1)
(2)
Trapezoid tooth
UD. drive gear

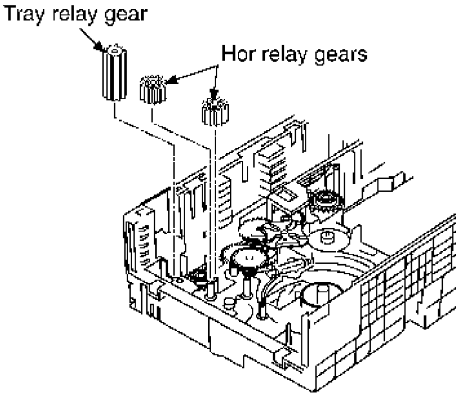
(Step 16)
Align the trapezoid tooth of UD. drive gear with long groove of UD. rack (L), and then fix UD rack (L) in mechanism base.

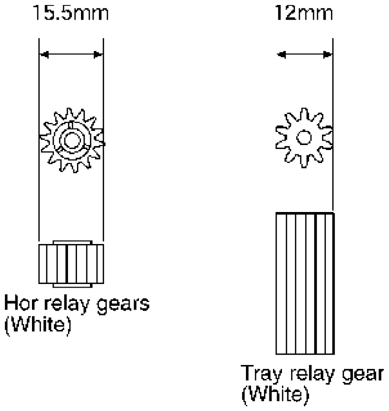
(Figure to see from the upper side)


UD. rack (L)
Triangle mark
Long groove of UD. rack (L)
Trapezoid tooth of UD. drive gear
UD. rack (L)

(Step 17)

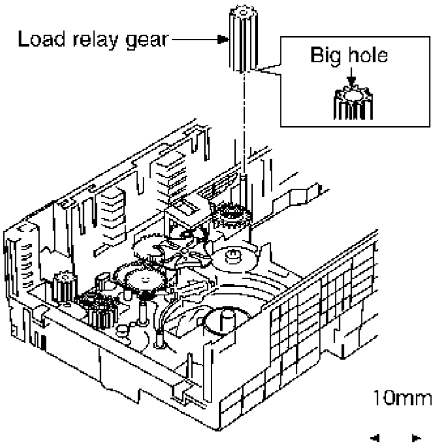
Install the tray relay gear and 2 hor relay gears.

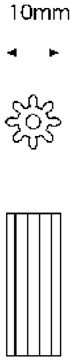

Tray relay gear
Hor relay gears


15.5mm
12mm
Hor relay gears
(White)
Tray relay gear
(White)

(Step 18)

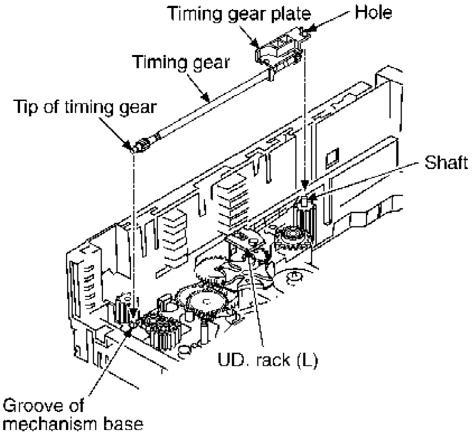
Install the load relay gear to mechanism base.
(Fit load relay gear with its big hole downward.)


Load relay gear
Big hole

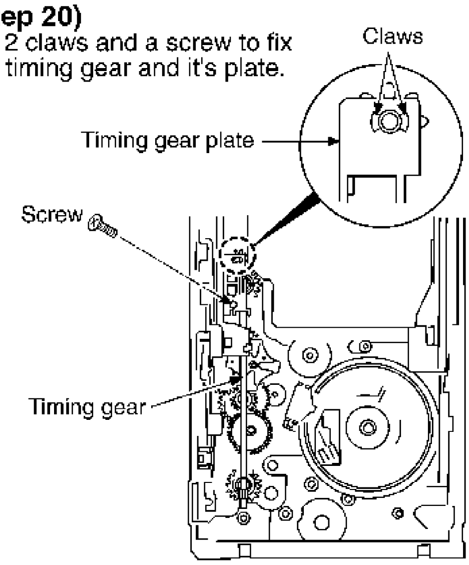

10mm
Load relay gear
(White)

(Step 19)

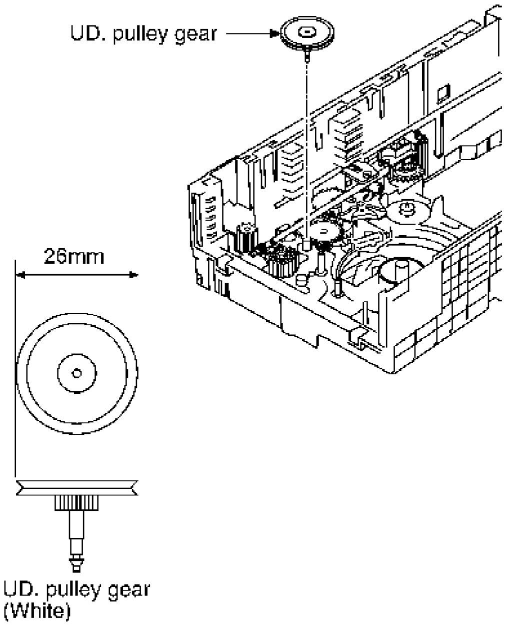
Put on the top of the timing gear, then, install the timing gear and it's plate.
At that time avoid the UD. rack (L).


Timing gear plate
Hole
Timing gear
Tip of timing gear
Shaft
UD. rack (L)
Groove of
mechanism base

(Step 20)
Fix 2 claws and a screw to fix the timing gear and it's plate.

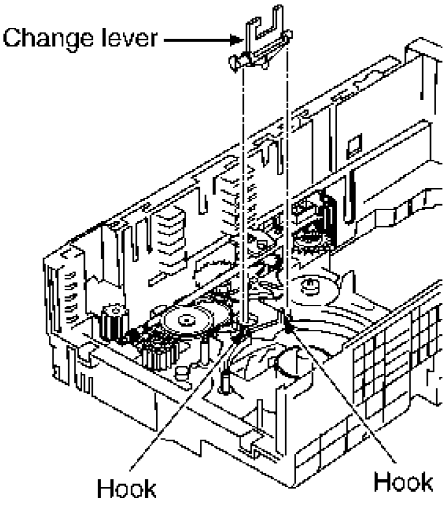

Claws
Timing gear plate
Screw
Timing gear

(Step 21)
Install the UD. pulley gear to mechanism base.


UD. pulley gear
26mm
UD. pulley gear
(White)

(Step 22)

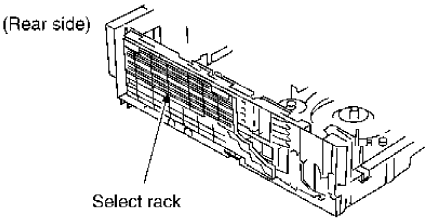
Insert the change lever with it upright.

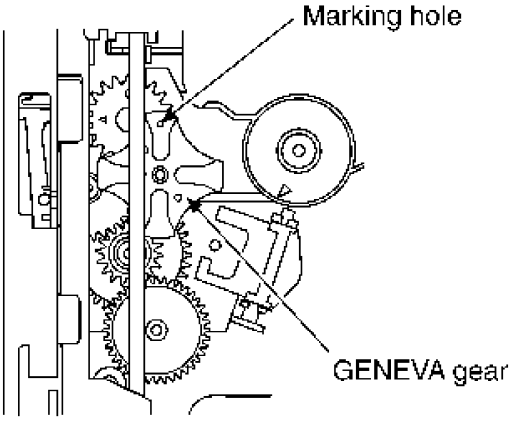

Change lever
Hook
Hook

(Step 23)

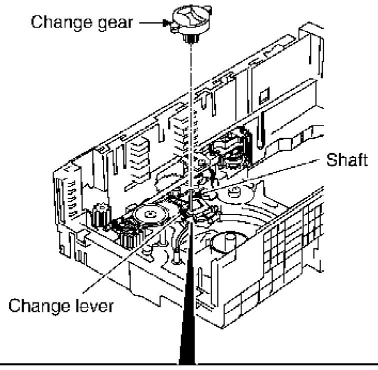
Be sure the notice of bellow before fixing the change gear.

1. Select track should be in the rear of mechanism base.
2. Its hole of GENEVA gear should turn up.

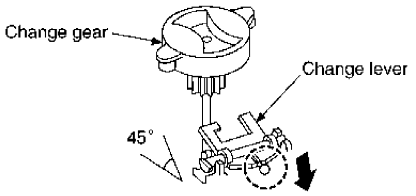

(Rear side)
Select rack


Marking hole
GENEVA gear

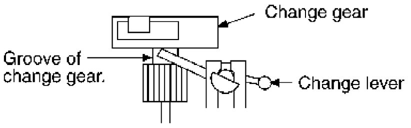
(Step 24)
Install the change gear as insert the change lever into the groove of change gear.


Change gear
Shaft
Change lever

1. Pushing the ○ part and pull up the change lever 45°.

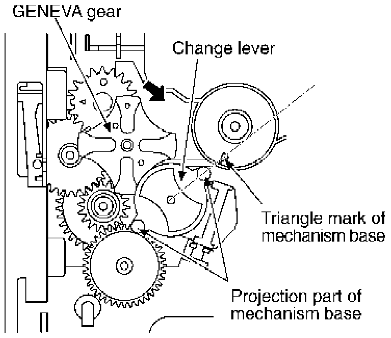

Change gear
Change lever
45°

2. Insert the change lever into the groove of change gear.

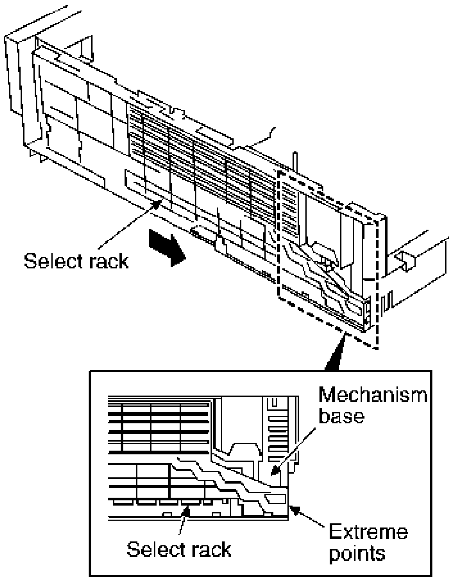

Change gear
Groove of change gear.
Change lever

(Step 25)
Put change gear down with projection part of change gear fitted to triangle mark of mechanism base, when fixing change gear.
At that time, check change gear is inserted into the groove of change lever.

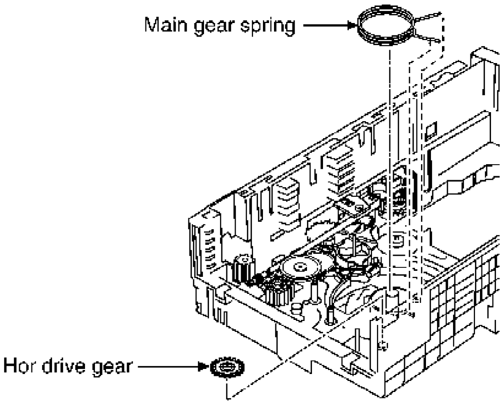
(Step 26)
Lastly, turn GENEVA gear clockwise slightly and drop change gear to mechanism base.

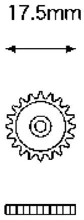

GENEVA gear
Change lever
Triangle mark of mechanism base
Projection part of mechanism base

(Step 27)
Move the select rack smoothly forward manually until 2 extreme points of both select track and mechanism base.


Select rack
Mechanism base
Select rack
Extreme points

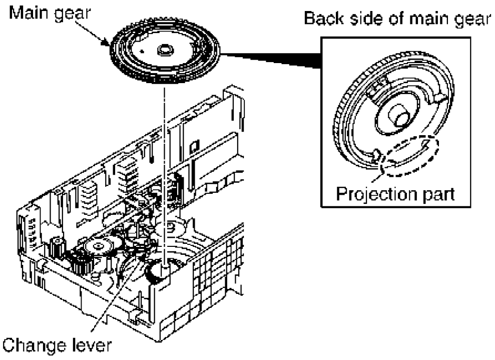
(Step 28)
Install the main gear spring and hor drive gear.


Main gear spring
Hor drive gear

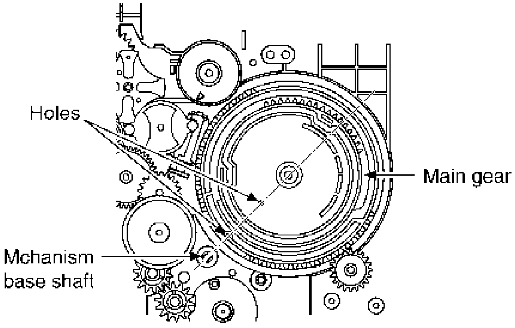


Hor drive gear
(White)

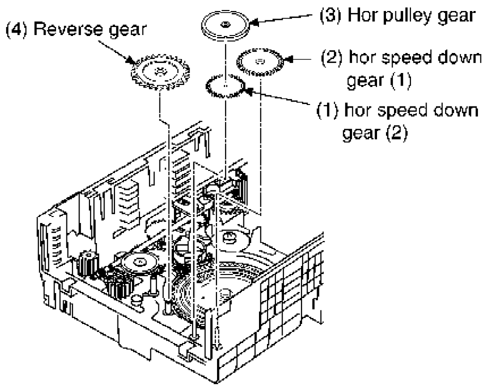
(Step 29)
Don't bring change lever into touch to projection part of main gear, when fixing main gear in mechanism base.

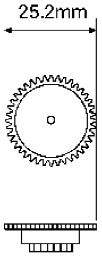

Main gear
Back side of main gear
Projection part
Change lever

(Step 30)
After that, turn main gear so that 2 holes inside main gear would be in alignment with mechanism base.

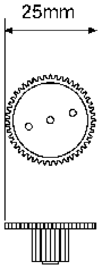

Holes
Main gear
Mchanism base shaft

(Step 31)
Install the hor speed down gear (2), hor speed down gear (1), hor pullry gear and reverse gear.

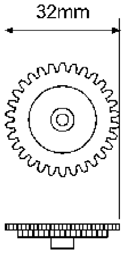

(4) Reverse gear
(3) Hor pulley gear
(2) hor speed down gear (1)
(1) hor speed down gear (2)



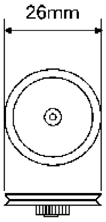
Hor speed down gear (2) (White)



Hor speed down gear (1) (Semi-transparent)



Reverse gear (White)

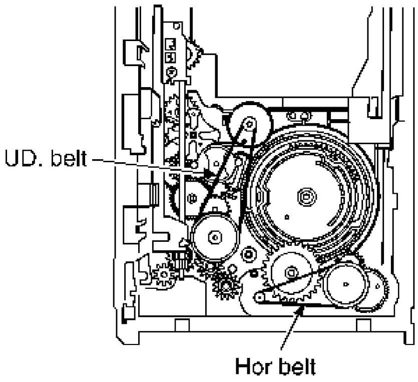


Hor pulley gear (White)

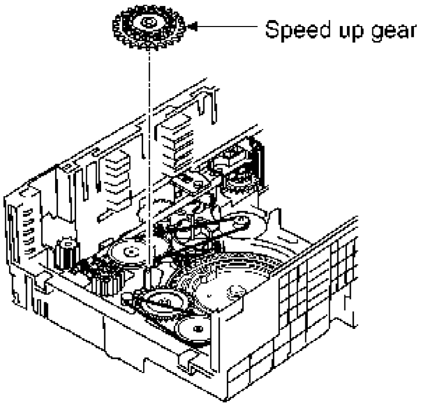
(Step 32)
Install the UD. belt and hor belt.

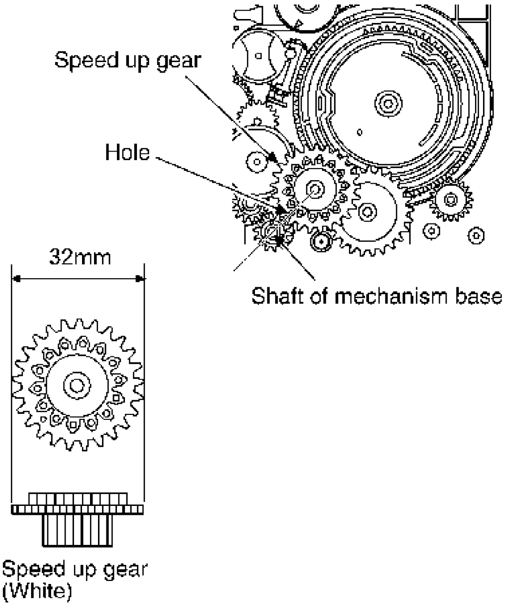
NOTE:

1. Take care not apply the grease to the belt.
2. Install the belt without twist.


UD. belt
Hor belt

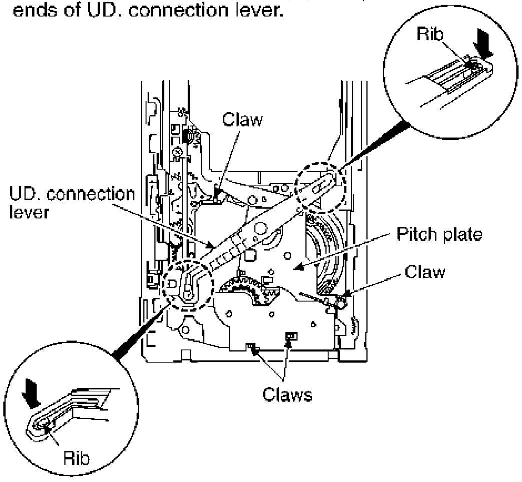
(Step 33)
Install speed up gear to its shaft of mechanism base with 2 fitting.


Speed up gear

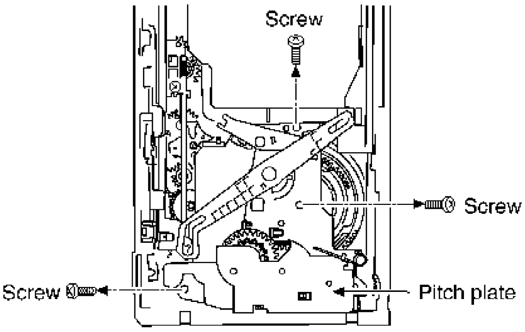

Speed up gear
Hole
Shaft of mechanism base
32mm
Speed up gear
(White)

(Step 34)
Install the pitch plate. (The 4 claws should be latched.)

(Step 35)
Fix 2 ribs of UD. rack (L) and (R) into groove of both ends of UD. connection lever.

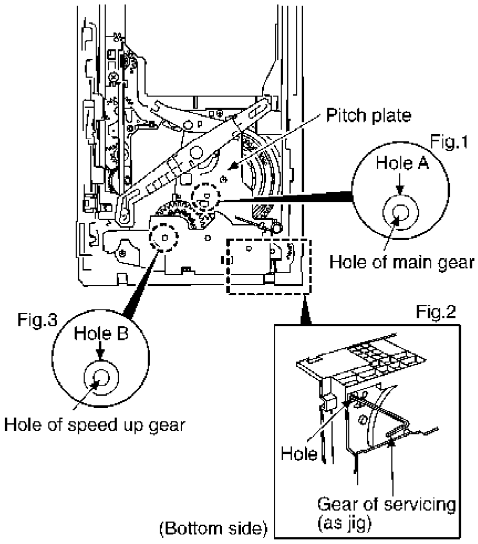

Rib
Claw
UD. connection
lever
Pitch plate
Claw
Claws
Rib

(Step 36)
Fixed it by three screws further.

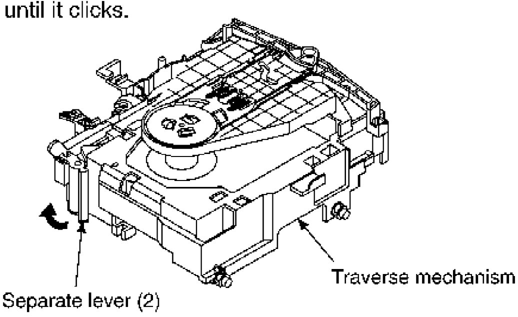

Screw
Screw
Screw
Pitch plate

(Step 37)
Be sure the notice of below before fixing the traverse mechanism.

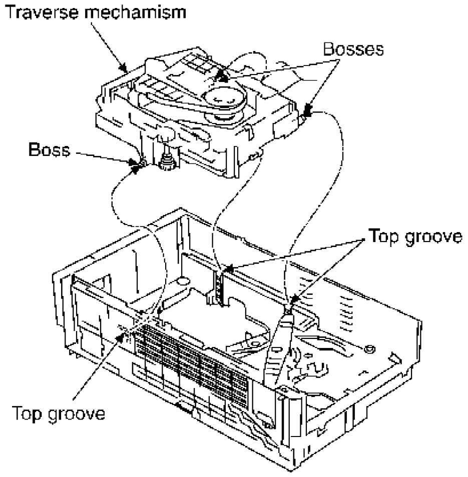
1. Check that 2 holes of both pitch plate and main gear is fitted. (Refer to Fig.1)
   If it's not fitted, put the gear for servicing in the hole of the bottom side and adjust it. (Refer to Fig.2)
2. Check that 2 holed of both pitch plate and speed up gear is futted. (Refer Fig.3)
   If it's not fitted turn the speed up gear to adjust it.


Pitch plate
Fig.1
Hole A
Hole of main gear
Fig.3
Hole B
Hole of speed up gear
Fig.2
Hole
Gear of servicing
(as jig)
(Bottom side)

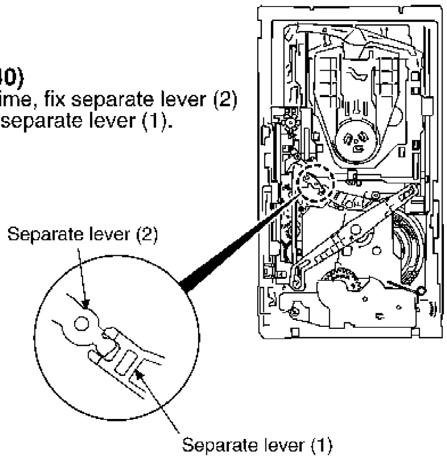
(Step 38)
Turn the separate lever (2) slowly toward left side until it clicks.


Separate lever (2)
Traverse mechanism

(Step 39)
Fix the left boss into the top groove of the UD. rack (L) and fix 2 bosses into the groove of the UD. rack (R).


Traverse mechamism
Bosses
Boss
Top groove
Top groove

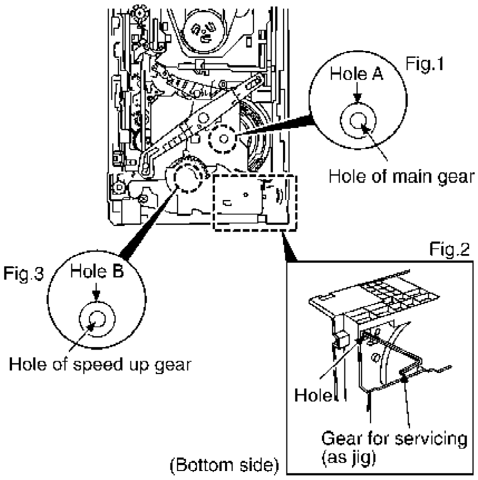
(Step 40)
At that time, fix separate lever (2) into the separate lever (1).


Separate lever (2)
Separate lever (1)

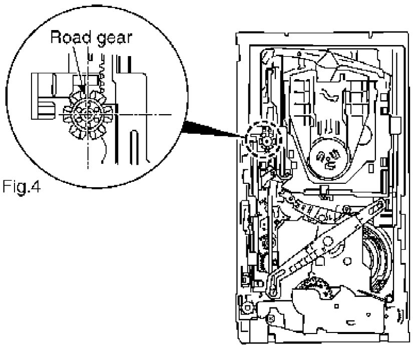
(Step 41)

After the traverse mechanism fixed,
confirm the phase in order below.

1. Check that 2 holes of both pitch plate and main gear is fitted. (Refer to Fig.1)
   If it's not fitted, put the gear for servicing in the hole of the bottom side and adjust it. (Refer to Fig.2)
2. Check that 2 holed of both pitch plate and speed up gear is futted. (Refer Fig.3)
   If it's not fitted turn the speed up gear to adjust it.

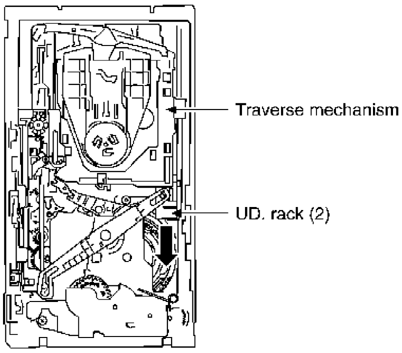

Hole A
Fig.1
Hole of main gear
Fig.2
Fig.3
Hole B
Hole of speed up gear
Hole
Gear for servicing
(as jig)
(Bottom side)

3. In the cog of road gear, the groove with it's cutting halfway set side ward. (Refer to Fig.4)
   Remove the traverse mechanism again when it is not set side ward and install it after adjustment of inserting position.
   NOTE: By this time, do not adjust to rotate the road gear.


Road gear
Fig.4

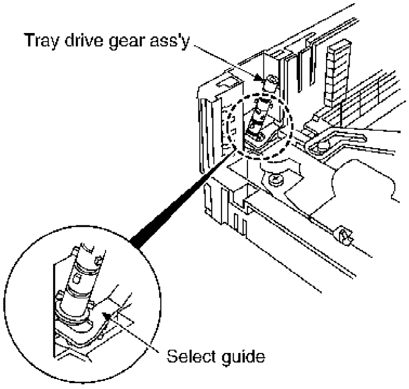
(Step 42)

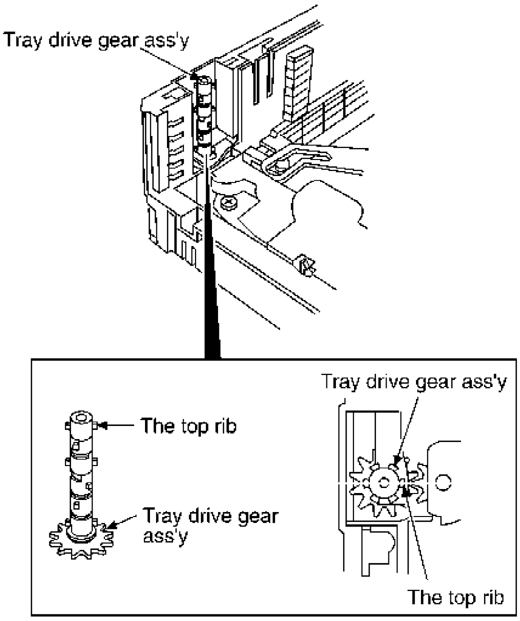
After insertion of traverse mechanism, pull the UD. rack (R) on this side that each phase is "OK" and then lock the traverse mechanism.


Traverse mechanism
UD. rack (2)

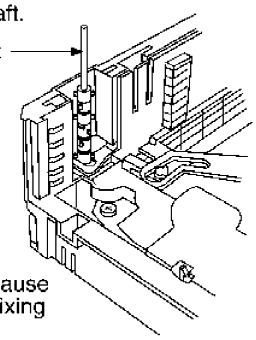
(Step 43)
Install the tray drive gear to select guide.
(Install the top rib of the tray drive gear with side ward.)

NOTE:
Confirm the each phase surely before install the tray drive gear. (Refer to Step 41).


Tray drive gear ass'y
Select guide

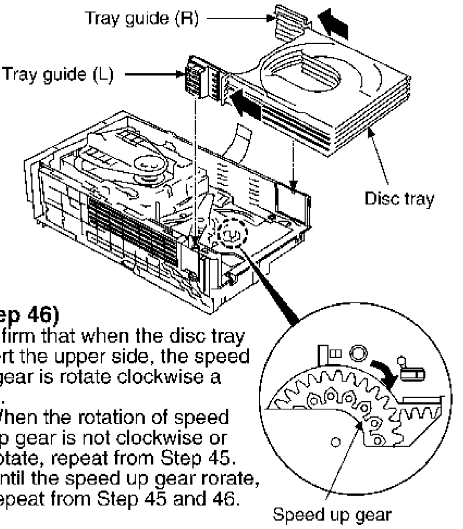

Tray drive gear ass'y
The top rib
Tray drive gear ass'y
Tray drive gear ass'y
The top rib

(Step 44)
Insert the tray gear shaft.


Tray gear shaft

NOTE:
Be careful to handle it because the shaft is yet to fix until fixing top cover.

(Step 45)
Move the tray guide (R) and (L) to direction of arrow that fixed (stopped) it and install 5 pieces of disc tray.

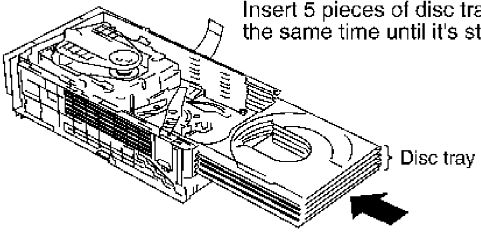

Tray guide (R)
Tray guide (L)
Disc tray
Speed up gear

(Step 46)
Confirm that when the disc tray insert the upper side, the speed up gear is rotate clockwise a little.

- When the rotation of speed up gear is not clockwise or rotate, repeat from Step 45.
- Until the speed up gear rorate, repeat from Step 45 and 46.

NOTE:
While keeping all postion, install 5 pieces of disc tray.

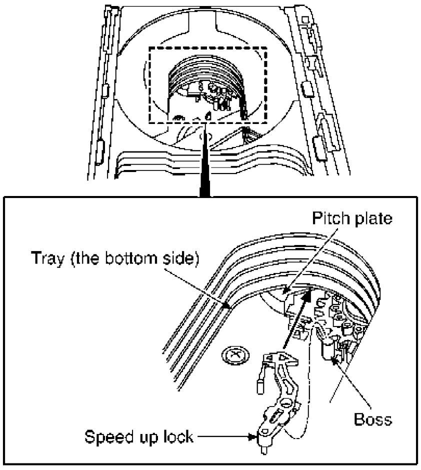
(Step 47)
Insert 5 pieces of disc tray at the same time until it's stop.



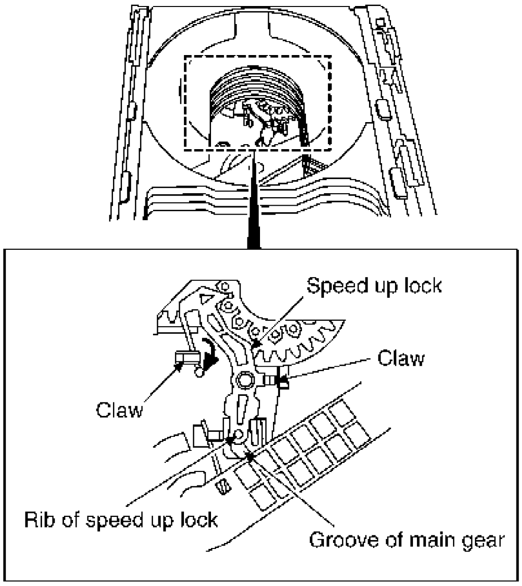
(Step 48)
Turn the traverse side 180°.

(Step 49)
While install the tip of speed up lock beween tray (No.1) of the most lower side and pitch plate for the time being.
(Do not to insert the cog of speed up gear), insert it to boss.

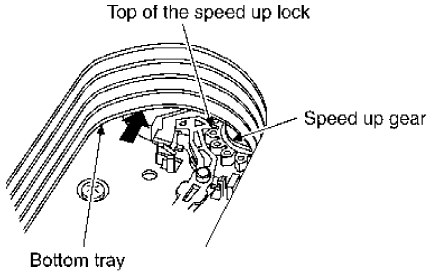
NOTE:
At that time, do not move the tray.
(See the tray the most front side)


Pitch plate
Tray (the bottom side)
Boss
Speed up lock

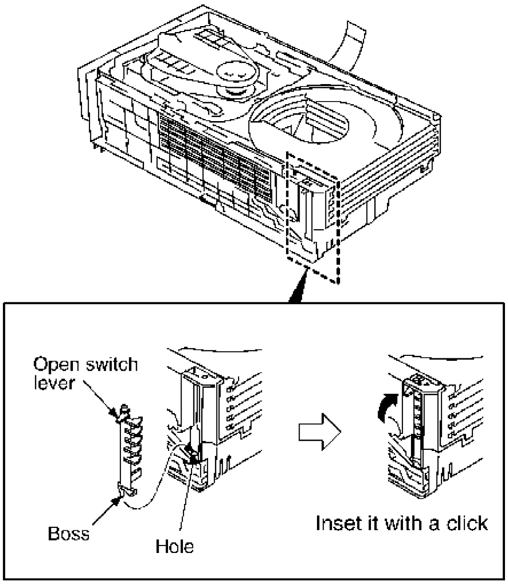
(Step 50)
Insert the rib of speed up lock into a groove of main gear, and lock it with 2 claws.


Speed up lock
Claw
Claw
Rib of speed up lock
Groove of main gear

(Step 51)
Move the bottom tray to the arrow while pushing the top of the speed up gear. And insert it to a cog of the speed up gear.

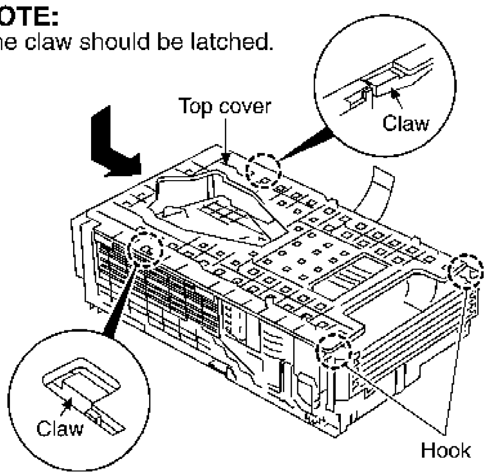

Top of the speed up lock
Speed up gear
Bottom tray

(Step 52)
Install the open switch lever.
(Put the boss into the hole of the mechanism base.)


Open switch lever
Boss
Hole
Inset it with a click

(Step 53)
Install the top cover.
Fix it into hooks and slide direction to the arrow.

NOTE:
The claw should be latched.


Top cover
Claw
Claw
Hook

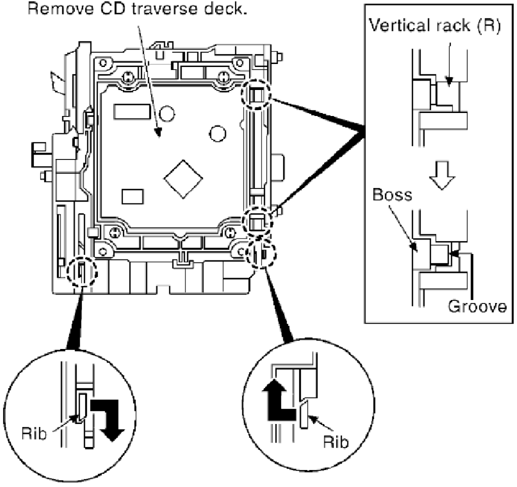
17.19. Disassembly for Traverse Unit

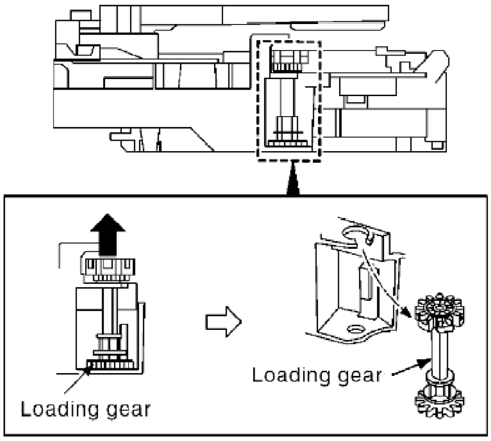
- Follow the (Step 1) - (Step 10) of item 17.17.2

- Follow the (Step 1) - (Step 4) of item 17.17.3

Step 1
Shift ribs of both side to the arrow direction.
(A vertical rack (R) slides and groove opens)

Step 2
Remove CD traverse deck.

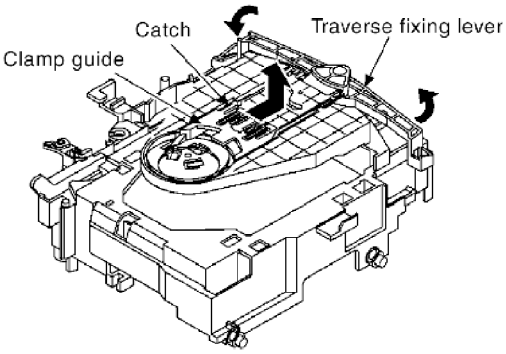

Vertical rack (R)
Boss
Groove
Rib
Rib


Loading gear
Loading gear

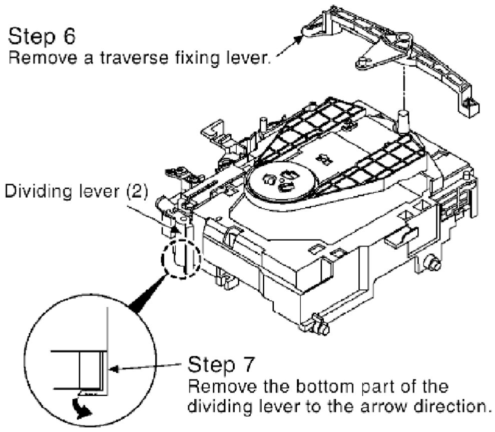
Step 3
Lift a loading gear slightly and pull out.

Step 4
Fixing lever to the arrow direction, rotate a traverse.

Step 5
Remove catch and take out a clamp guide.

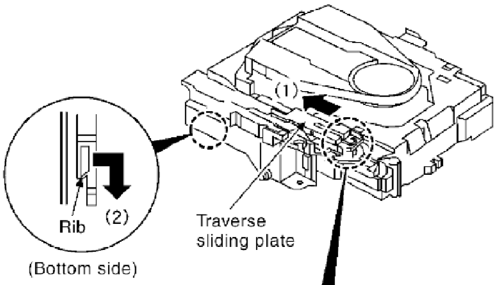

Catch
Traverse fixing lever
Clamp guide

Step 6
Remove a traverse fixing lever.

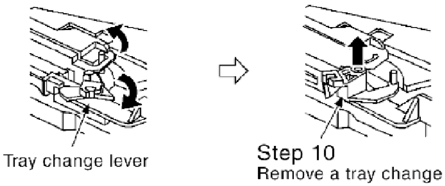

Dividing lever (2)

Step 7
Remove the bottom part of the dividing lever to the arrow direction.

Step 8
Slide a traverse sliding plate to the arrow direction (1), and shift a rib to the arrow direction (2).

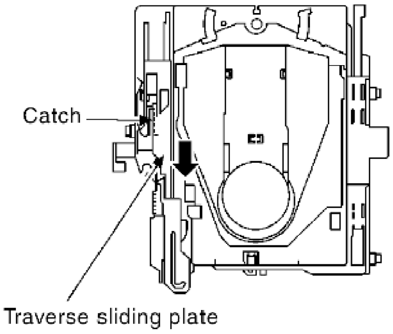

(1)
Rib
(2)
(Bottom side)
Traverse sliding plate

Step 9
Shifting a traverse sliding plate slightly and rotate a tray change lever.


Tray change lever

Step 10
Remove a tray change lever.

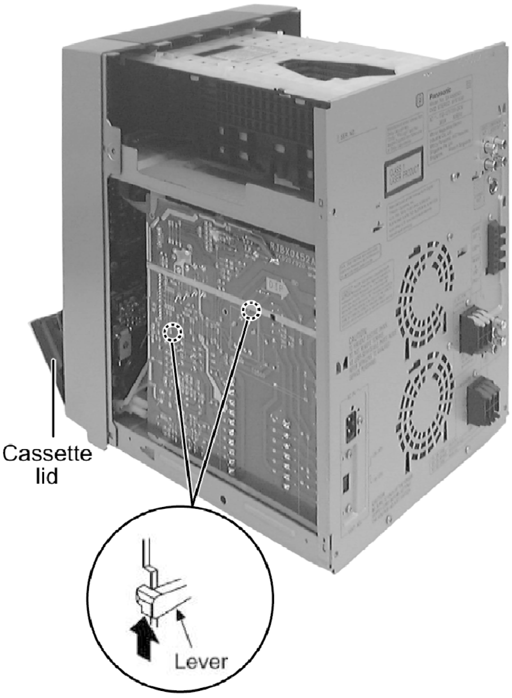
Step 11
Holding the catch down, slide a traverse sliding plate to the arrow direction and remove it.


Catch
Traverse sliding plate

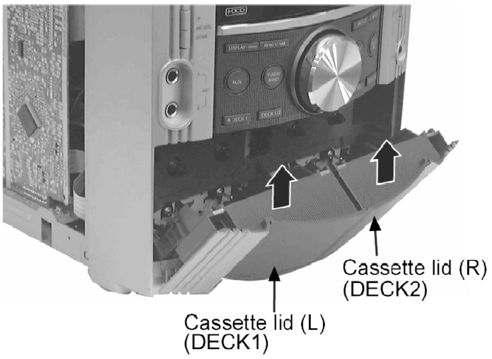
17.20. Replacement for cassette lid

- Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet

Step 1 Lift up the lever upward, open the cassette deck. (For DECK1 and DECK2)


Cassette lid
Lever

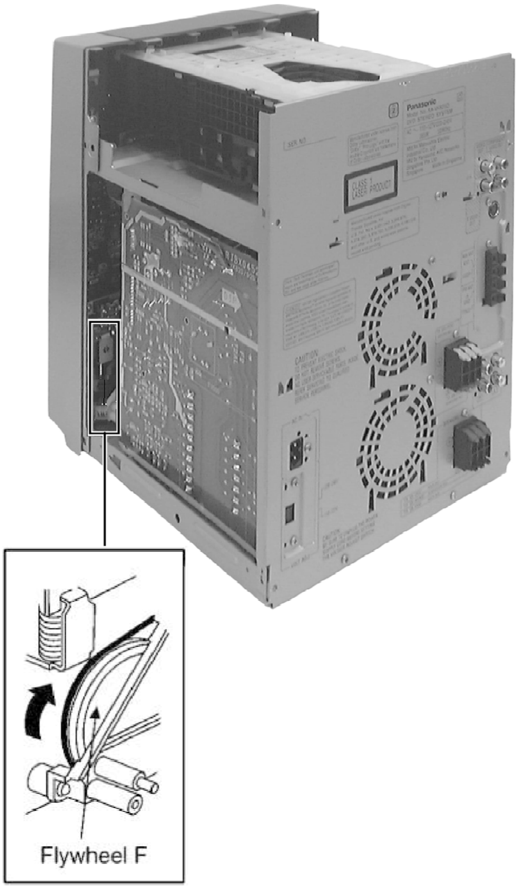
Step 2 Push up the cassette lid (L/R) in the direction of arrow. (For DECK1 and DECK2).


Cassette lid (R)
(DECK2)
Cassette lid (L)
(DECK1)

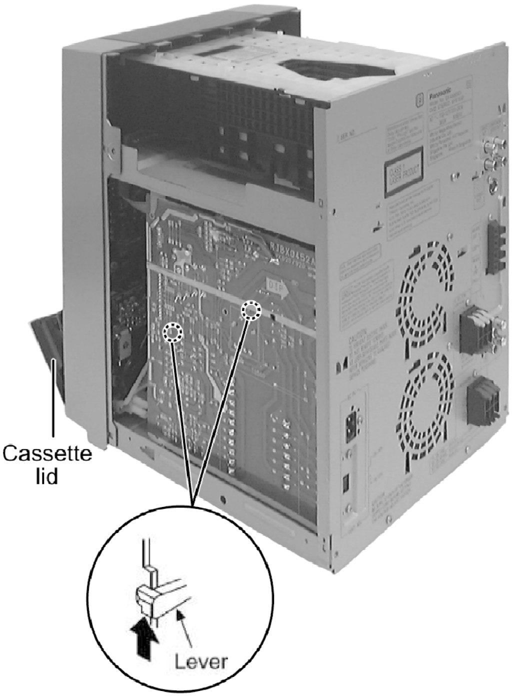
17.21. Rectification for tape jam problem

- Follow the (Step 1) - (Step 2) of Item 17.3 - Disassembly of Top Cabinet

Step 1 If a cassette tape cannot be removed from the deck (the tape is caught by the capstan or pinch roller during playback or recording), rotate the flywheel F in the direction of the arrow to remove it.



Step 2 Push the lever upward and open the cassette lid. Remove the cassette tape.


Cassette lid
Lever

18. Checking for major P.C.Bs

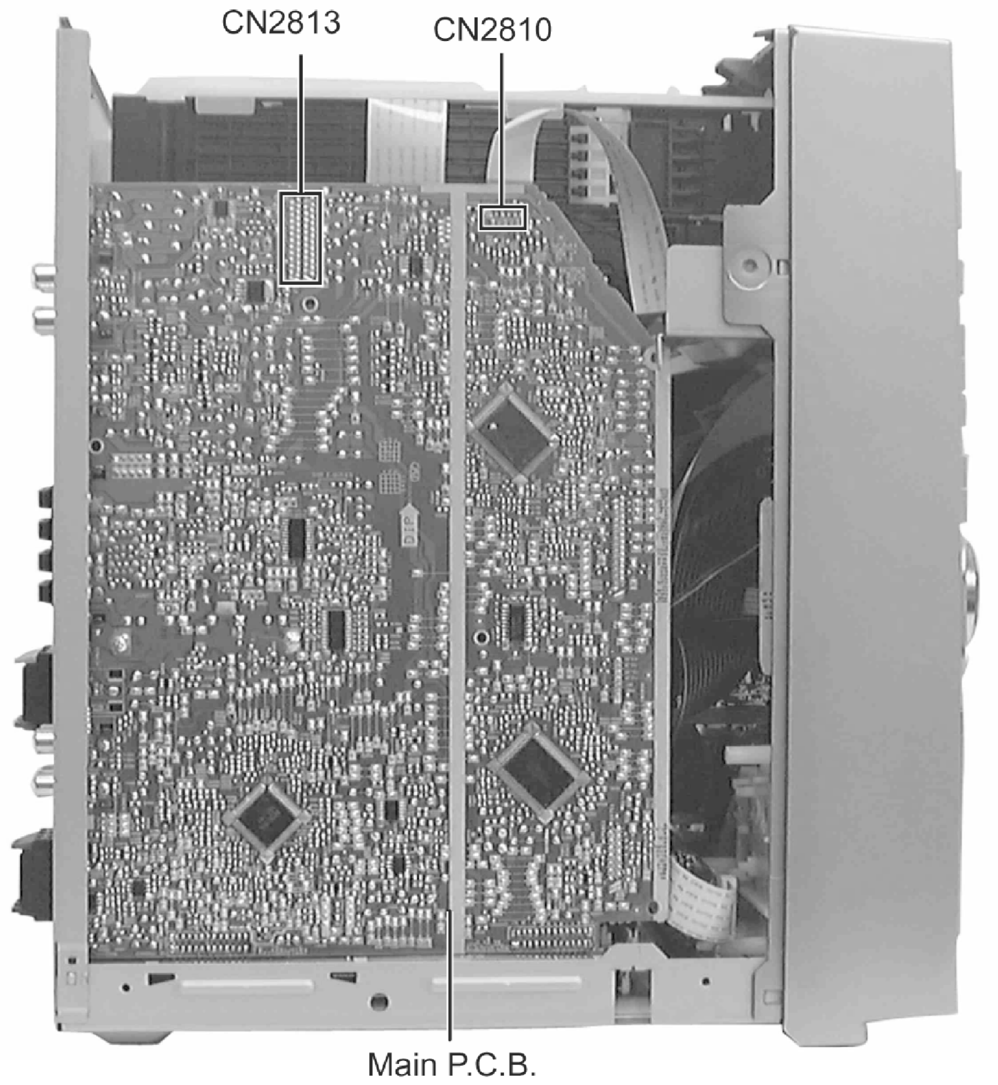
Note:
Checking of all major P.C.Bs (Main P.C.B., Panel P.C.B., Transformer P.C.B., Deck P.C.B., Deck Mechanism P.C.B., Mic P.C.B., Power P.C.B. and Power Amp P.C.B.) can be carried out using below procedures.
For the disassembling procedures, refer to Section 17.

18.1. Checking of Main P.C.B.

1. Remove Top Cabinet.

2. Disassemble DVD Changer Unit.

3. Connect FFC cables (CN2810 & CN2813) from Main P.C.B.

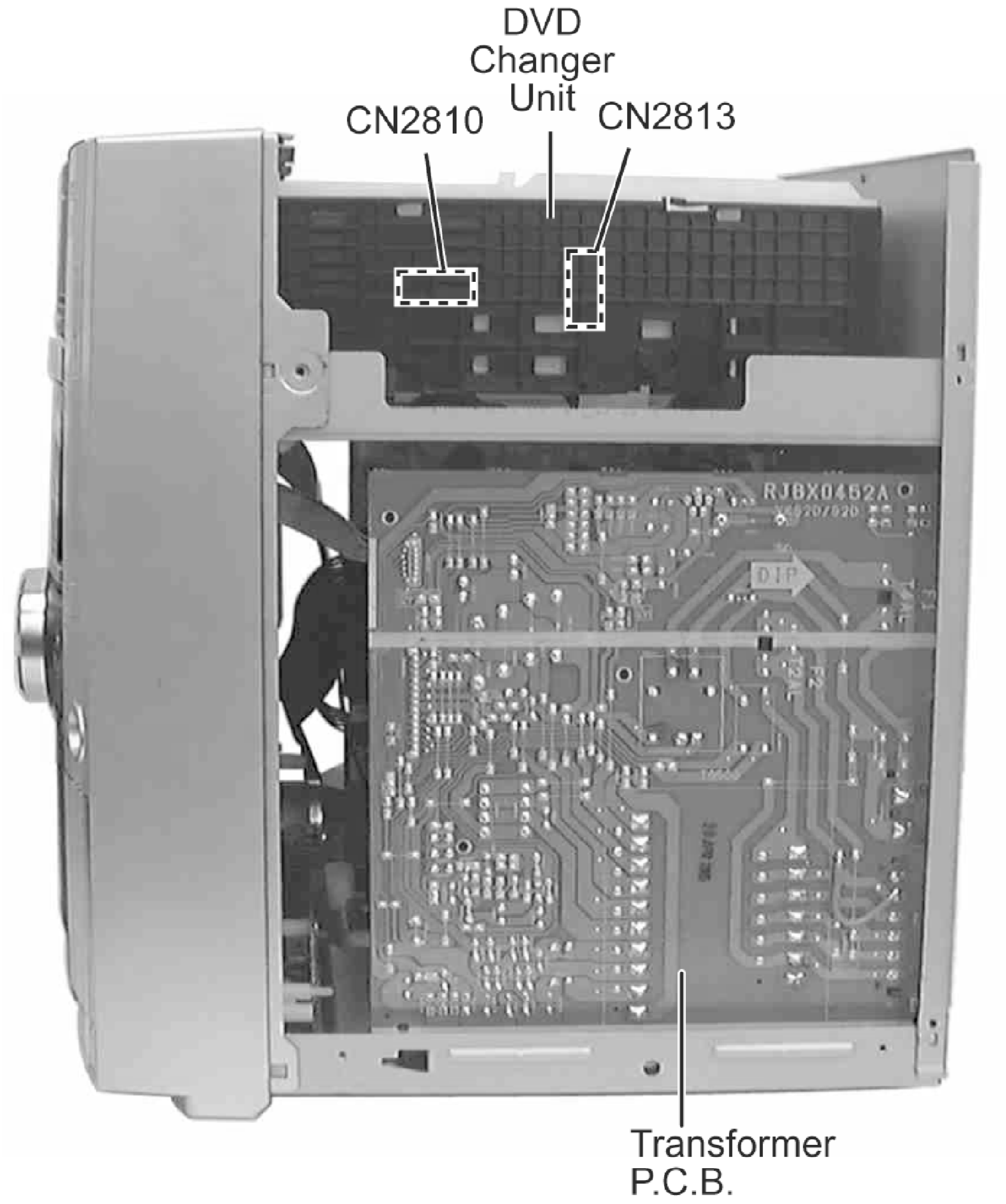


18.2. Checking of Transformer P.C.B.

1. Remove Top Cabinet.

2. Disassemble DVD Changer Unit.

3. Connect FFC cables (CN2810 & CN2813) from Main P.C.B..


DVD Changer Unit
CN2810
CN2813
RJBX0452A
Transformer P.C.B.

18.3. Checking of Panel, Deck & Deck Mechanism P.C.B.

1. Remove Top Cabinet.

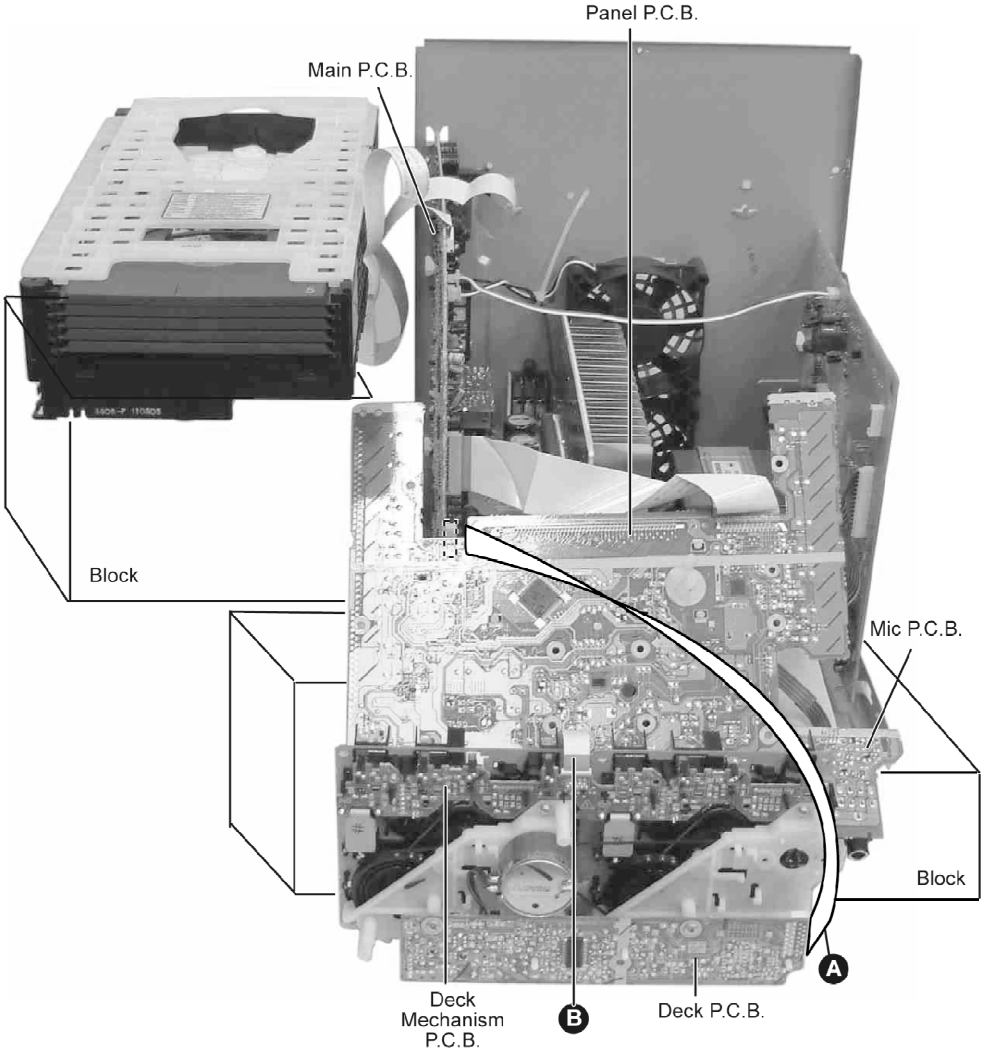
2. Disassemble DVD Changer Unit.

3. Disassemble Front Panel Unit.

4. Remove volume knob and Mic Jack Holder.

5. Disassemble Panel P.C.B.

6. **Disassemble Deck Mechanism Unit.**
7. **Use the extension cable (A) to reconnect (CN1001) Deck P.C.B. and (CP6803) Main P.C.B.**
8. **Use the extension cable (B) to reconnect (CP6800) Panel P.C.B. and (CN971) Deck Mechanism P.C.B.**

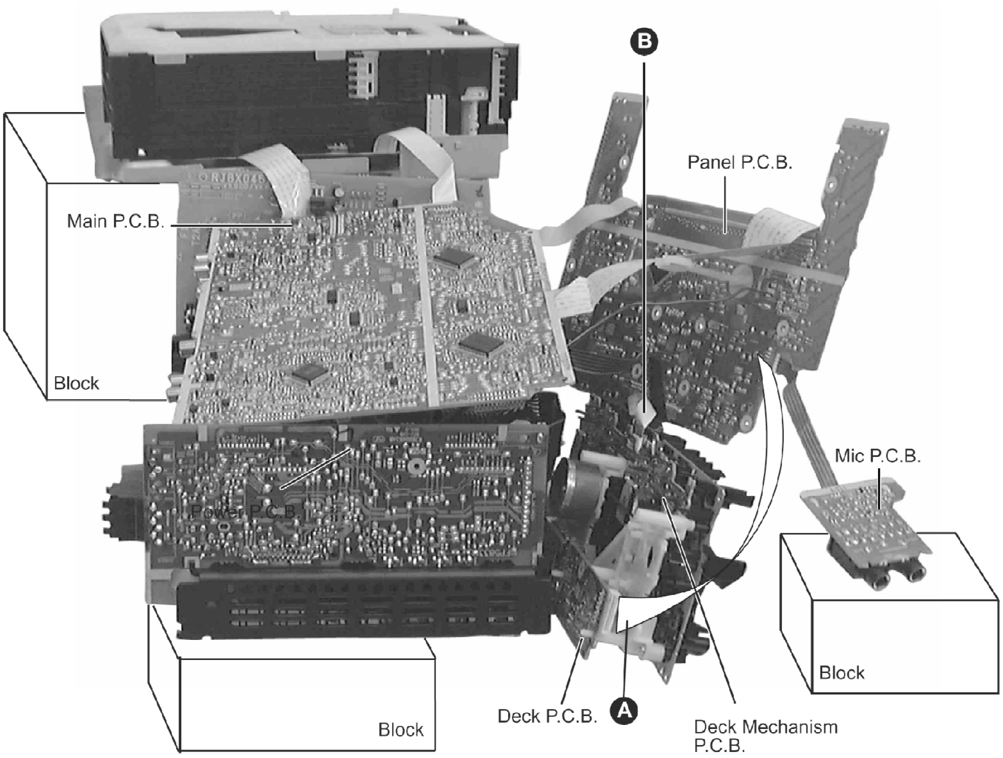

Panel P.C.B.
Main P.C.B.
Block
Mic P.C.B.
Block
A
Deck Mechanism P.C.B.
B
Deck P.C.B.

Service Tools	
Extension FFC	
(A) Deck P.C.B. - Main P.C.B.	**REEX0485 (14 Pins)**
(B) Panel P.C.B. - Deck Mechanism P.C.B.	**REEX0484 (10 Pins)**

18.4. Checking of Power P.C.B.

1. **Remove Top Cabinet and Rear Panel.**

2. **Disassemble DVD Changer Unit.**
3. **Remove 4 screws at Transformer P.C.B..**
4. **Remove 2 screws at heat sink and 1 screw at Power P.C.B.**
5. **Flip the Power P.C.B.**
6. **Insulate the Power P.C.B. with insulation material to avoid short circuit.**
7. **Use the extension cable (A) to reconnect (CN1001) Deck P.C.B. and (CP6803) Main P.C.B.**

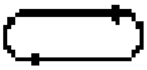

B
Panel P.C.B.
Main P.C.B.
Block
Mic P.C.B.
Power P.C.B.
Block
Block
Deck P.C.B.
A
Deck Mechanism P.C.B.

Service Tools	
Extension FFC	
(A) Deck P.C.B. - Main P.C.B.	**REEX0485 (14 Pins)**
(B) Panel P.C.B. - Deck Mechanism P.C.B.	**REEX0484 (10 Pins)**

19. Measurements and Adjustments

19.1. Cassette Deck Section

- Measurement Condition

- **Reverse-mode selector switch:** 
- **Tape edit: NORMAL**
- **Make sure head, capstan and press roller are clean.**
- **Judgeable room temperature 20 ± 5 °C (68 ± 9°F)**
- **Measuring instrument**
- **EVM (DC Electronic voltmeter)**
- **Digital frequency counter**
- **Test Tape**
- **Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT**

19.1.1. Head Azimuth Adjustment (Deck 1/2)

Caution:

- **Please replace both azimuth adjustment screw and springs simultaneously when readjusting the head azimuth. (shown in Fig. 2) Even if you wish to readjust the head azimuth without replacing the acrews and springs, a fine adjustment to the azimuth screw and spring.**
- **Please remove the screw-locking bond left on the head base when replacing the azimuth screw.**
- **If you wish to readjust the head azimuth, be sure to adjust with adhering the cassette tape closely to the mechanism by pushing the center of cassette tape with your finger. (shown in Fig. 3)**

1. **Playback the azimuth adjustment portion (8 kHz, -20dB) of the test tape (QZZCFM) in the forward play mode. Vary the azimuth adjustment screw until the output of the R-CH (PB OUT-R) are maximized.**
2. **Perform the same adjustment in the reverse play mode.**
3. **After the adjustment, apply screwlock to the azimuth adjusting screw.**

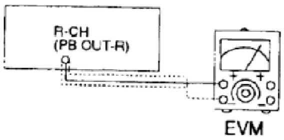

R-CH
(PB OUT-R)
EVM

Fig. 1

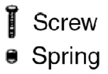

Screw
Spring

Fig.2

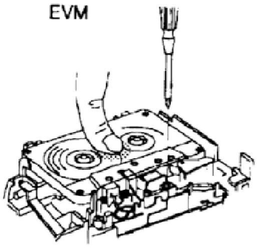


Fig. 3

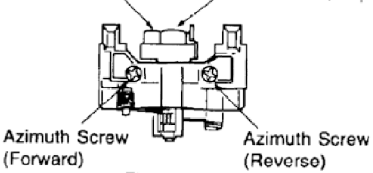

E. HEAD
R/P HEAD
Azimuth Screw
(Forward)
Azimuth Screw
(Reverse)

Fig. 4

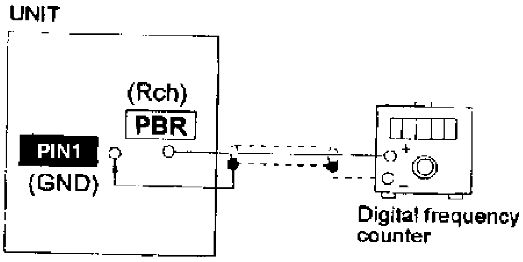
19.1.2. Tape Speed Adjustment (Deck 1/2)

1. **Set the tape edit button to "NORMAL" position.**
2. **Insert the test tape (QZZCWAT) to DECK 2 and playback (FWD side) the middle portion of it.**
3. **Adjust Motor VR (DECK 2) for the output value shown below.**

Adjustment target: 2940 ~ 3060 Hz
(NORMAL speed)

4. **After alignment, assure that the output frequency of the DECK 1 FWD are within ±60 Hz of the value of the output frequency of DECK 2 FWD.**

Fig. 1


UNIT
(Rch)
PBR
PIN1
(GND)
+
C
Digital frequency
counter

19.1.3. Bias Voltage Check

1. **Set the unit "AUX" position.**
2. **Insert the Normal blank tape (QZZCRA) into DECK 2 and the unit to "REC" mode (use " ● REC/STOP" key).**
3. **Measure and make sure that the output is within the standard**

value.

Bias voltage for Deck 2 14±4mV (Normal)

Fig. 2

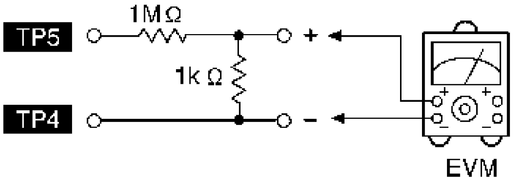
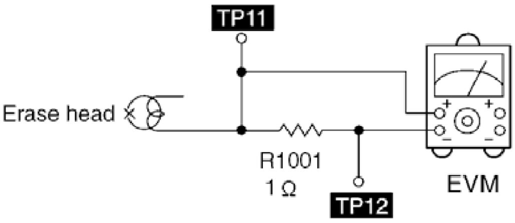

TP5
1MΩ
1kΩ
TP4
+
-
EVM

Fig. 3

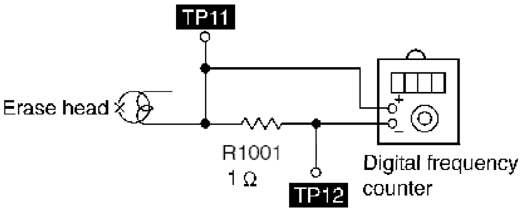

TP11
Erase head
R1001
1Ω
TP12
EVM

19.1.4. Bias Frequency Adjustment (Deck 1/2)

1. **Set the unit to “AUX” position.**
2. **Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to “REC” mode (● use “REC/STOP” key).**
3. **Adjust L1002 so that the output frequency is within the standard value.**

Standard Value: 89 ~ 110 kHz

Fig. 4


TP11
Erase head
R1001
1Ω
TP12
Digital frequency counter

19.2. Tuner Section

19.2.1. AM-IF Alignment

1. **Connect the instrument as shown in Fig. 5.**
2. **Set the unit to AM mode.**
3. **Apply signal as shown in Fig. 5 from AM-SG.**

4. Adjust Z2602 so that the output frequency is maximized in Fig. 6.

Fig. 5

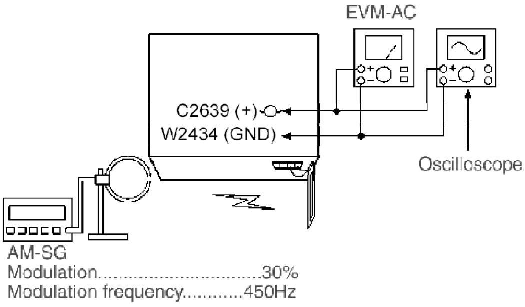
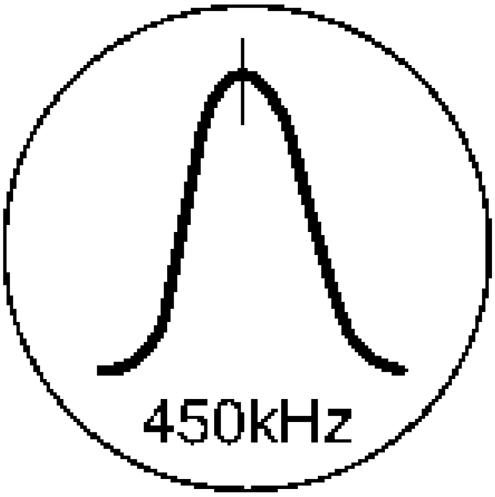

EVM-AC
C2639 (+)
W2434 (GND)
Oscilloscope
AM-SG
Modulation.................................30%
Modulation frequency...........450Hz

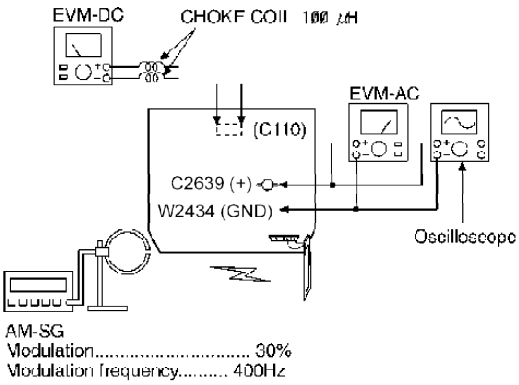
Fig. 6



19.2.2. AM RF Adjustment

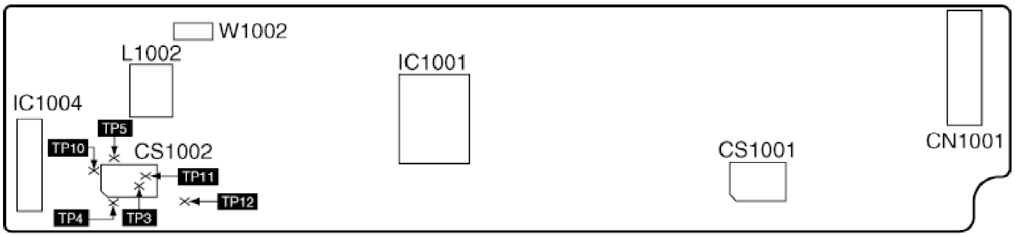
1. Connect the instrument as shown in Fig. 7.
2. Set the unit to AM mode.
3. Set AM-SG to 520kHz.
4. Receive 520kHz in the unit.
5. Adjust L2601 (OSC) so that the EVM-AC is maximized.
6. Set AM-SG to 600Hz.
7. Receive 600Hz in the unit.
8. Adjust L2601 (ANT) so that the EVM-SG is maximized.
9. Set AM-SG to 520kHz.
10. Receive 520kHz in the unit.
11. Adjust L2602 (OSC) so that the EVM-DC value is with 1.1±0.5V.

Fig. 7

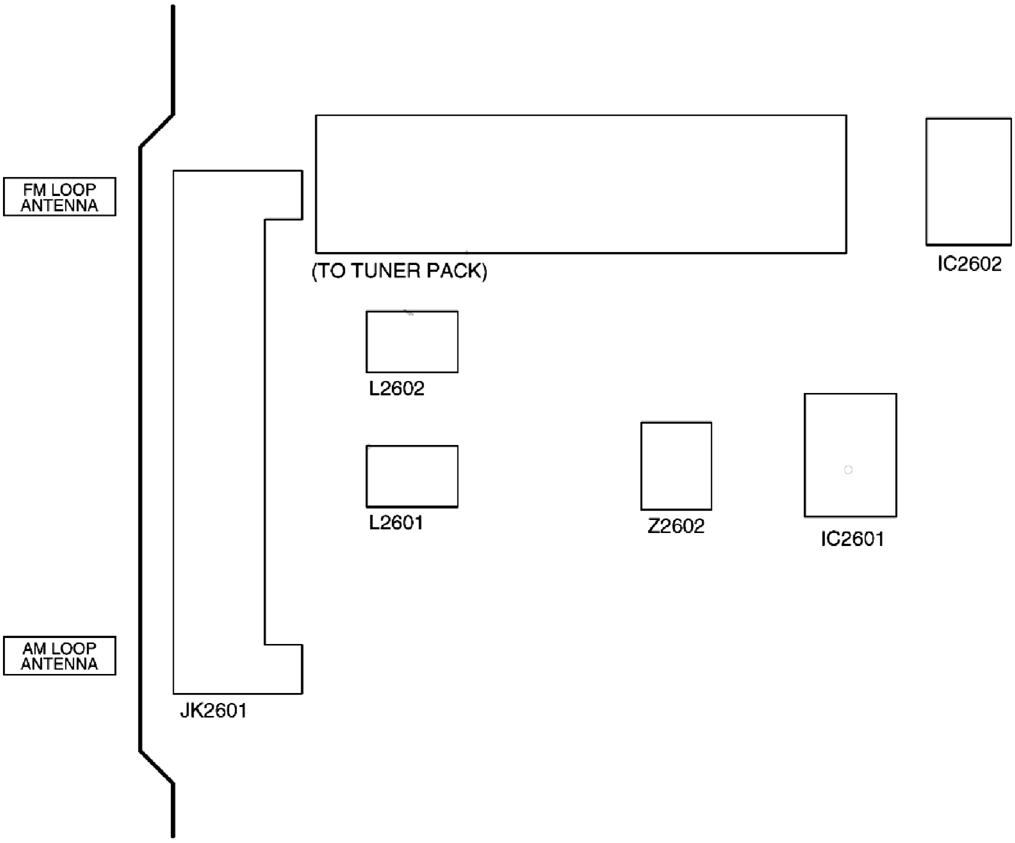

EVM-DC
CHOKE COIL 100 µH
(C110)
EVM-AC
C2639 (+)
W2434 (GND)
Oscilloscope
AM-SG
Modulation.............................. 30%
Modulation frequency.......... 400Hz

19.3. Alignment Points

19.3.1. Cassette Deck Section


W1002
L1002
IC1001
IC1004
TP5
TP10
CS1002
TP11
TP12
TP4
TP3
CS1001
CN1001

19.3.2. Adjustment Point


FM LOOP ANTENNA
(TO TUNER PACK)
IC2602
L2602
L2601
Z2602
IC2601
AM LOOP ANTENNA
JK2601

20. Block Diagram

21. Voltage Measurement

This section is not available at time of issue.

22. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

S1 : **Stock Switch**

S2 : **Play Switch**

S3 : **Bottom Switch**

S4 : **Open Switch**

S5 : **Change Switch**

S951 : **Mode Switch**

S952 : **Half Switch**

S971 : **Mode Switch**

S972 : **Half Switch**

S974 : **Recinh_R Switch**

S975 : **Recinh_F Switch**

S5950 : **Voltage Selector Switch**

S6800

: DVD/CD Switch

S6801

: Tape Switch

S6802

: Tuner/Band Switch

S6803

: AUX Switch

S6804

: Deck 1 Switch

S6805

: Display/Demo Switch

S6806

: Deck 2 Switch

S6807

: Rew Switch

S6808

: FF Switch

S6809

: Stop Switch

S6810

: AC In Switch

S6811

: Disc Check Switch

S6812

: Multi Re-Master Switch

S6813

: Super Surround Switch

S6814

: Mic Up Switch

S6815

: Mic Down Switch

S6816

: Deck 1/2 Switch

S6817

: Rec Switch

S6818

: Sound EQ Switch

S6819

: Open/Close Switch

S6820

: Disc Change Switch

S6821

: Disc 5 Switch

S6822

: Disc 4 Switch

S6823

: Disc 3 Switch

S6824

: Disc 2 Switch

S6825

: Disc 1 Switch

S6826

: Super Sound EQ Switch

S6827

: Subwoofer Switch

VR6800

: VR Volume Jog

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.
- Importance safety notice :
  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have

purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- **Cover the parts boxes made of plastics with aluminium foil.**
- **Put a conductive mat on the work table.**
- **Ground the soldering iron.**
- **Do not touch the pins of IC, LSI or VLSI with fingers directly.**

22.1. Optical Pickup Unit Circuit

22.2. (A) DVD Module Circuit

22.3. (B) Main (Tuner) Circuit

22.4. (B) Main Circuit

22.5. (C) Panel Circuit & (D) Mic Circuit

22.6. (E) Deck Circuit & (F) Deck Mechanism Circuit

22.7. (G) Power Circuit

22.8. (H) Power Amp Circuit

22.9. (I) Transformer Circuit

22.10. (J) CD Loading Circuit

23. Printed Circuit Board

23.1. (A) DVD Module P.C.B. (Side: A & B)

23.2. (B) Main P.C.B.

23.3. (C) Panel P.C.B.

23.4. (D) Mic P.C.B. & (K) Tuner Pack P.C.B.

23.5. (E) Deck P.C.B. & (F) Deck Mechanism P.C.B.

23.6. (G) Power P.C.B. & (H) Power Amp P.C.B.

23.7. (I) Transformer P.C.B.

23.8. (J) CD Loading P.C.B.

24. Wiring Connection Diagram

25. Illustration of ICs, Transistors and Diodes

26. Terminal Function of IC

26.1. IC2818 (C2CBJG000653) System Microprocessor

Pin No.	Mark	I/O	Function
1	ST_SW	I	Stock Switch of Changer
2	OP/CL_REV	O	Reverse control signal for OPEN/ CLOSE motor
3	OP/CL_FWD	O	Forward control signal for OPEN/ CLOSE motor
4	OPEN_SW	I	Signal from tray OPEN Switch
5	POSITION	I	Signal from of Position Detection sensor
6	N.C.	-	No Connection
7	N.C.	-	No Connection
8	BYTE	I	VSS (GND)
9	CNVSS/ EFP_CNVSS	-	FLASH MODE TERMINAL (Connected to Ground) via 10 k Ω
10	XCIN	-	SUB CLOCK INPUT (32.768 kHz)
11	XCOUT	-	SUB CLOCK OUTPUT (32.768 kHz)
12	RESET/ ERP_RESET	I	SYSTEM RESET INPUT (ACTIVE L)
13	XOUT	-	MAIN CLOCK OUTPUT (10 MHz)
14	VSS	-	GND (0V)

Pin No.	Mark	I/O	Function
15	XIN	-	MAIN CLOCK INPUT (10 MHz)
16	VCC	-	POWER SUPPLY (5V)
17	NMI	I	CONNECT TO VCC, EXTERNAL INTERRUPT I/P
18	RMT	I	REMOCON INPUT
19	SYNC	I	AC FAILURE DETECT INPUT
20	Up/Down R	O	Changer Motor 2 Reverse Control
21	Change SW	I	Changer Change Switch
22	BOTTOM SW	I	CHANGER BOTTOM SWITCH
23	UP/DOWN F	O	Changer Motor 2 Forward Control
24	S.Surr IC_CLK	O	Clock signal for super surround IC
25	S.Surr IC_DAT	O	Data signal for super surround IC
26	PLL_CE	O	PLL Chip Select
27	TU-SD	I	SIGNAL DET Input from Tuner
28	TU_ST/DO	I	Tuner IF Data/ Stereo Input
29	PLL_DA	O	PLL DATA - DI INPUT of Tuner
30	PLL_CK	O	Clock Signal for the PLL Tuner
31	EFP_TxD1	O	Transmit signal for flash micro-p
32	EFP_RxD1	O	Receive signal for flash micro-p
33	EFP_SCLK	O	Clock signal for flash micro-p
34	EFP_BUSY	O	Busy signal for flash micro-p
35	DVD_CMD	O	CMD signal for the DVD Module
36	DVD_STA	I	STATUS signal from the DVD Module

Pin No.	Mark	I/O	Function
37	DVD_CK	I	CLK signal for the DVD Module
38	EDA	O/I	DATA Signal for the EEPROM
39	ECLK	O	CLOCK Signal for the EEPROM
40	ECS	O	CHIP SELECT Signal for the EEPROM
41	EFP_EPM	O	For Flash
42	FLD_RST	O	Reset Signal for the FL DRIVER
43	FLD_CS	O	Latch Signal for the FL DRIVER
44	FLD_DA	O	Data input for the FL DRIVER
45	FLD_CK	O	Clock Signal for the FL DRIVER
46	EFP_CE	O	For Flash
47	Wide1	O	S-Video output control
48	ASP_DA	O	DATA signal for 6ch VOL ASP
49	ASP_CK	O	CLOCK signal for 6ch VOL ASP
50	DVD_MUTE	I	Signal from DVD module control mute circuit
51	DivX_EN	I	DivX_EN
52	KA_LAT	O	Karaoke Latch
53	KA_DAT	O	Karaoke Data
54	KA_CLK	O	Karaoke Clock
55	MUTE_L	O	Mute control of Line Out
56	MUTE_H	O	HIC MUTE
57	HP_MUTE	O	Head Phone Mute signal
58	MUTE_C	O	Port for Mute control of Center
59	MUTE_SR	O	Port for Mute Control of SL/SR
60	SUB_MUTE	O	Subwoofer Mute Signal

Pin No.	Mark	I/O	Function
61	MUTE_A	O	Mute Control for FL/ FR
62	VCC	-	Power Supply 5.0V
63	N.C.	-	No Connection
64	VSS	-	Ground (0V)
65	SP_A	O	Control Speana IC's port A
66	SP_B	O	Control Speana IC's port B
67	SP_C	O	Control Speana IC's port C
68	DVD_PCT	O	Control Signal for the Power for the DVD MODULE
69	DC_DET	I	Signal from the DC Detection circuit
70	PCONT	O	Control Signal for the Power Control Relay
71	REC	O	Deck Recording Control (Recording = L)
72	Half1	I	Half switch signal from DECK1
73	Mode1	I	Mode switch signal from DECK1 (L=OFF; H=ON)
74	MOTOR	O	Deck Motor Control (L=OFF; H=ON)
75	JOG_B	I	Signal B from Volume JOG
76	JOG_A	I	Signal A from Volume JOG
77	DMT	O	Deck Mute at mecha Transition (L=Mute Off; H= MUTE On)
78	DECK1_H	I	Stock Switch of Changer
79	PLUNGER 1	O	Deck 1 Plunger Control (L=OFF; H=ON)

Pin No.	Mark	I/O	Function
80	PLUNGER 2	O	Deck 2 Plunger Control (L=OFF; H=ON)
81	Model_CTL	I	To select Model when power on (VK72=L; VK82/92= H)
82	BASS	O	Port to control SSEQ -2
83	MIC_1L	I	Port to control Mic Level Up
84	MIC_2L	I	Port to control Mic Level Down
85	LED	O	Port to Control LED
86	REG1	I	Tuner Region Setting 1
87	REG2	I	Tuner Region Setting 2
88	REG3	I	Tuner Region Setting 3
89	PHOTO_1	A/D I	Rotating Detection Signal (Deck 1)
90	PHOTO_2	A/D I	Rotating Detection Signal (Deck 2)
91	DECK2_AD	A/D I	AD input from DECK2 (RINHF/MODE2/ RINHR/HALF2
92-94	KEY1-KEY3	A/D I	Key 1 to Key 3 input
95	SPEANA_AD	A/D I	Signal from Speana IC's OUT port
96	AVSS	-	ANALOG POWER SUPPLY INPUT
97	DVD_RS	A/D I	DVD Region Setting
98	VREF	-	REFERENCE VOLTAGE INPUT

Pin No.	Mark	I/O	Function
99	AVcc	-	ANALOG POWER SUPPLY INPUT
100	PLAY_SW	I	Play Switch

27. Parts Location and Replacement Parts List

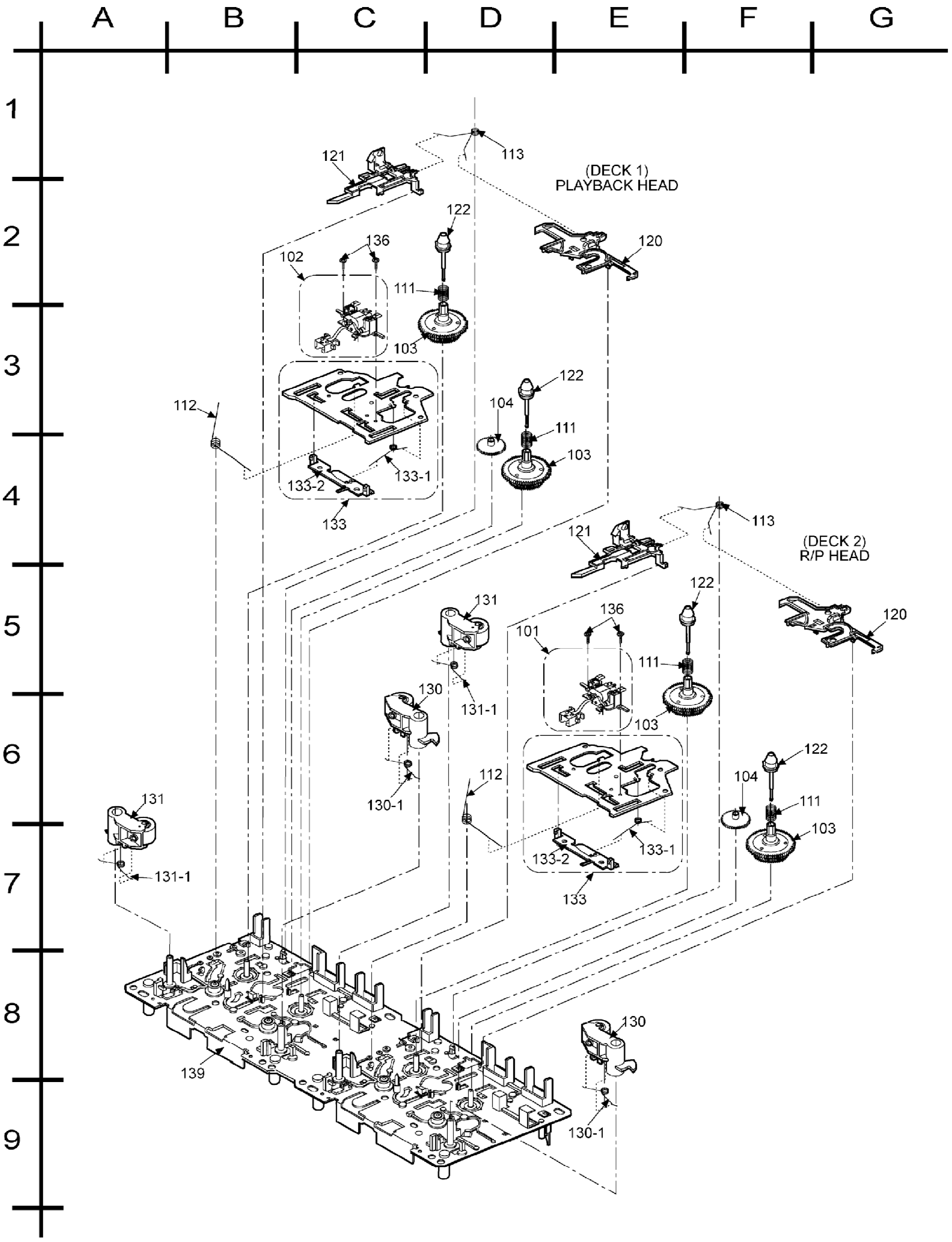
Notes:

- **Important safety notice:**
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.
  When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.
- **The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)**
  Parts without these indications can be used for all areas.
- **Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".**
- **Capacitor values are in microfarads (μ F) unless specified otherwise, P= Pico-farads (pF), F= Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K= 1,000 (OHM).**
- **The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
- **[M] markings in the Remarks columns indicates parts supplied by PAVCSG.**
- **[SPG] markings in the Remarks columns indicates parts that are supplied by PAVC.**
- **Reference for O/I book languages are as follows:**

Ar:	**Arabic**	**Du:**	**Dutch**	**It:**	**Italian**	**Sp**	**Spanish**
Cf:	**Canadian French**	**En:**	**English**	**Ko:**	**Korean**	**Sw:**	**Swedis**
Cz:	**Czech**	**Fr:**	**French**	**Po:**	**Polish**	**Co:**	**Traditio Chinese**
Da:	**Danish**	**Ge:**	**German**	**Ru:**	**Russian**	**Cn:**	**Simplifi Chinese**
Pe:	**Persian**	**Ur:**	**Ukraine**				

27.1. Deck Mechanism (RAA3413-S)

27.1.1. Deck Mechanism Parts Location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(DECK 1)
PLAYBACK HEAD
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133-1
133-2
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121
(DECK 2)
R/P HEAD
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131-1
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133-1
133-2
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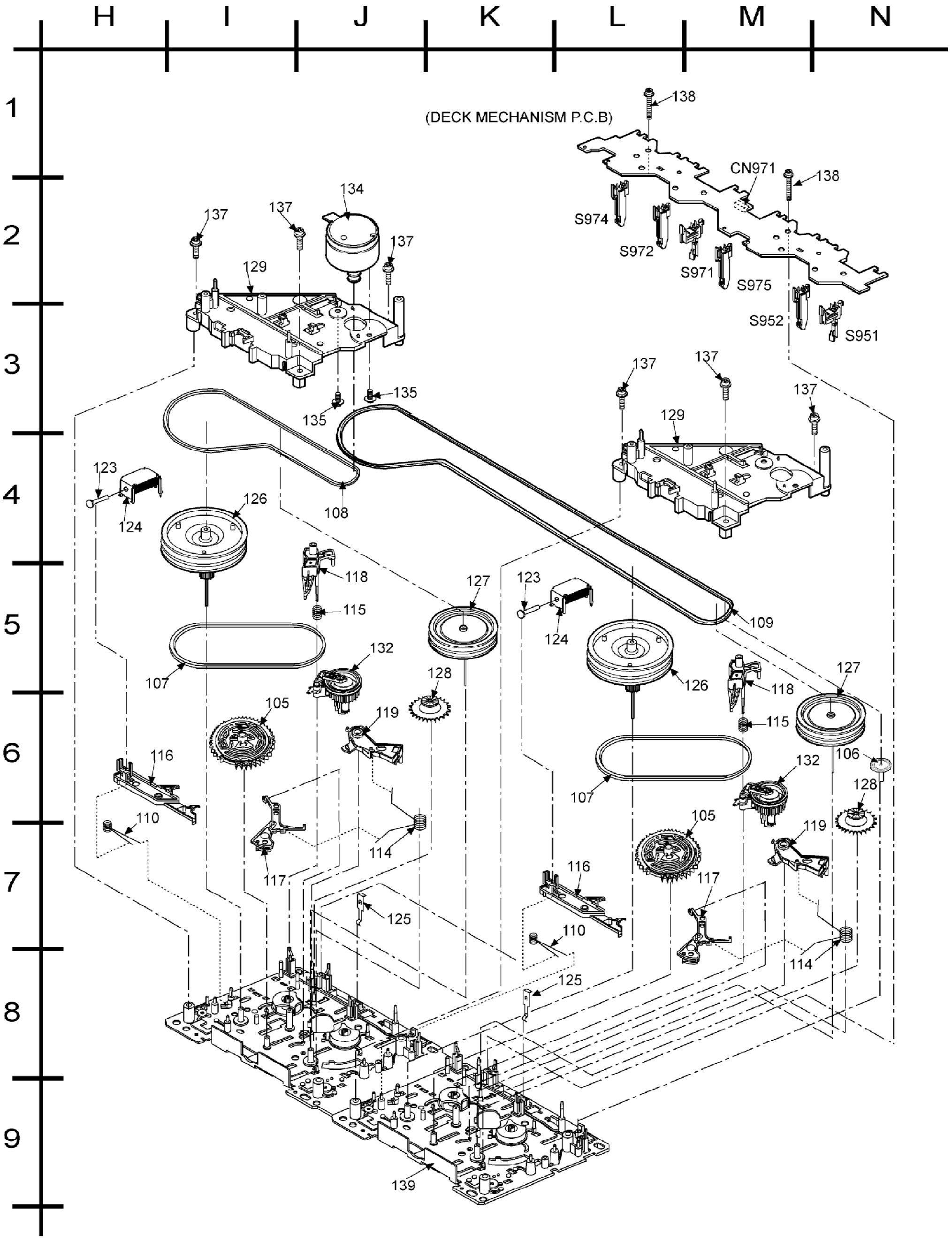
130-1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(DECK MECHANISM P.C.B)
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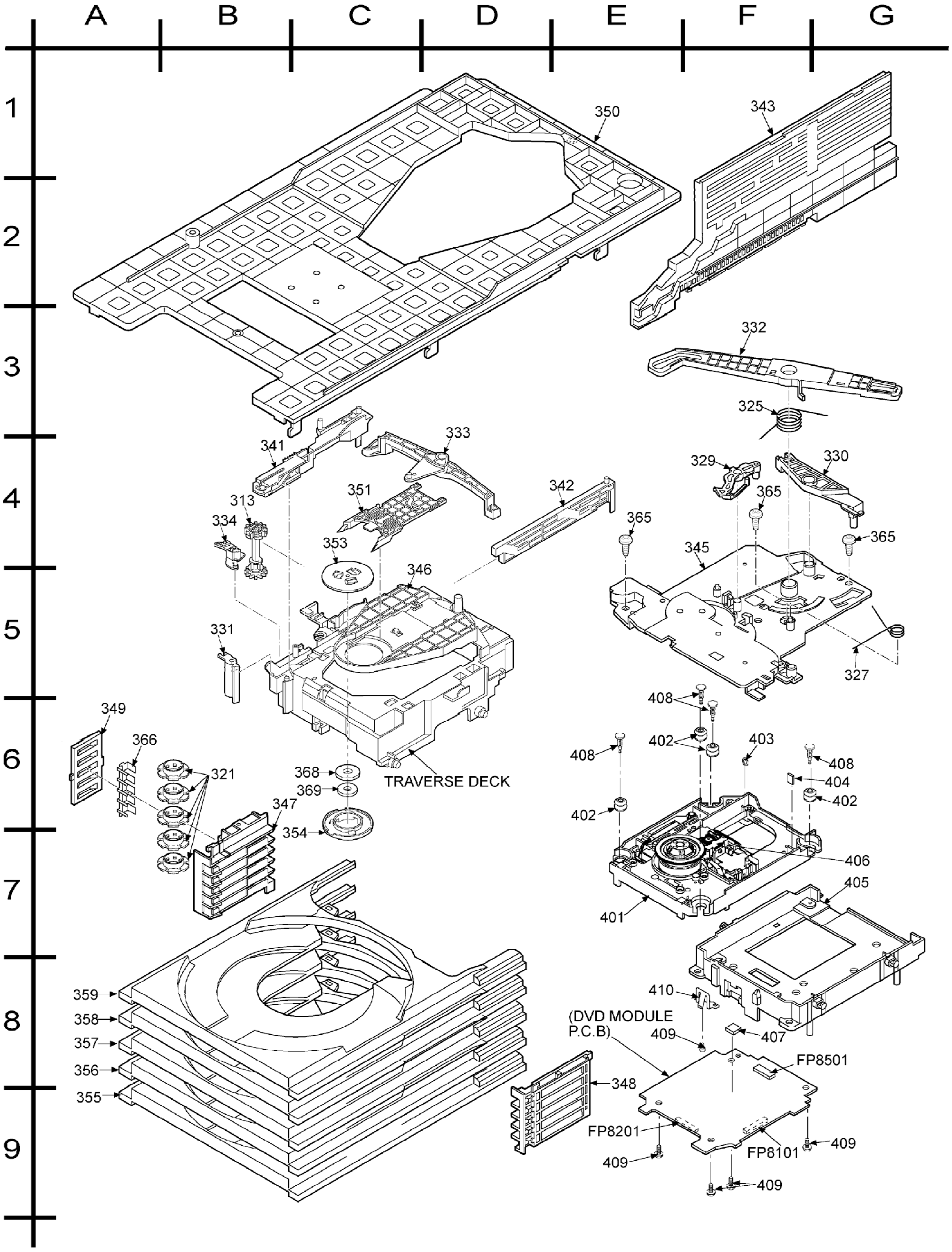
27.1.2. Deck Mechanism Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CASSETTE DECK	
101	RED0064	R/P HEAD BLOCK UNIT	[M]
102	RED0063	P/B HEAD BLOCK UNIT	[M]
103	RDG0300	REEL BASE GEAR	[M]
104	RDG0301	WINDING RELAY GEAR	[M]
105	RDK0026	MAIN GEAR	[M]
106	RDR0029-3	RELAY PULLEY	[M]
107	RDV0033-4	WINDING BELT	[M]
108	RDV0034-2	CAPSTAN BELT A	[M]
109	RDV0057	MAIN BELT B	[M]
110	RMB0312	TRIGGER LEVER SPRING	[M]
111	RMB0400	REEL SPRING	[M]
112	RMB0403	HEAB PANEL SPRING	[M]
113	RMB0404	BRAKE ROD SPRING	[M]
114	RMB0406	FR LEVER SPRING	[M]
115	RMB0408	THRUST SPRING	[M]
116	RML0370	TRIGGER LEVER	[M]
117	RML0371	FR LEVER	[M]
118	RML0372	WINDING LEVER	[M]
119	RML0374	EJECT LEVER	[M]
120	RMM0131	BRAKE ROD	[M]
121	RMM0133-1	EJECT ROD	[M]
122	RMQ0519	REEL HUB	[M]
123	RMS0398-1	MOVING CORE	[M]
124	RSJ0003	PLUNGER ASS’Y	[M]
125	RMC0061	PACK SPRING	[M]
126	RXF0049	FLYWHEEL F ASS’Y	[M]
127	RXF0050	FLYWHEEL R ASS’Y	[M]
128	RXG0040	FF RELAY GEAR ASS’Y	[M]
129	RMK0283A-J	SUB-CHASSIS	[M]
130	RXL0124	PINCH ROLLER F ASS’Y	[M]
130-1	RMB0401	PINCH ARM SPRING F	[M]
131	RXL0125	PINCH ROLLER R ASS’Y	[M]
131-1	RMB0402	PINCH ARM SPRING R	[M]
132	RXL0126	WINDING ARM ASS’Y	[M]
133	RXQ0412	HEAD PANEL ASS’Y	[M]
133-1	RMB0405	FR ROD SPRING	[M]
133-2	RMM0132	FR ROD	[M]
134	REM0121	CAP MOTOR ASS’Y	[M]
135	RHD26022	MOTOR SCREW	[M]
136	XTW2+5LFJ	HEAD BLOCK UNIT SCREW	[M]
137	XTW26+10SFJ	SUB-CHASSIS SCREW	[M]
138	XYC2+JF17FJ	PCB EARTH SCREW	[M]
139	RFKJXED70-K	MAIN CHASSIS	[M]

27.2. DVD Loading Mechanism

27.2.1. DVD Loading Mechanism Parts Location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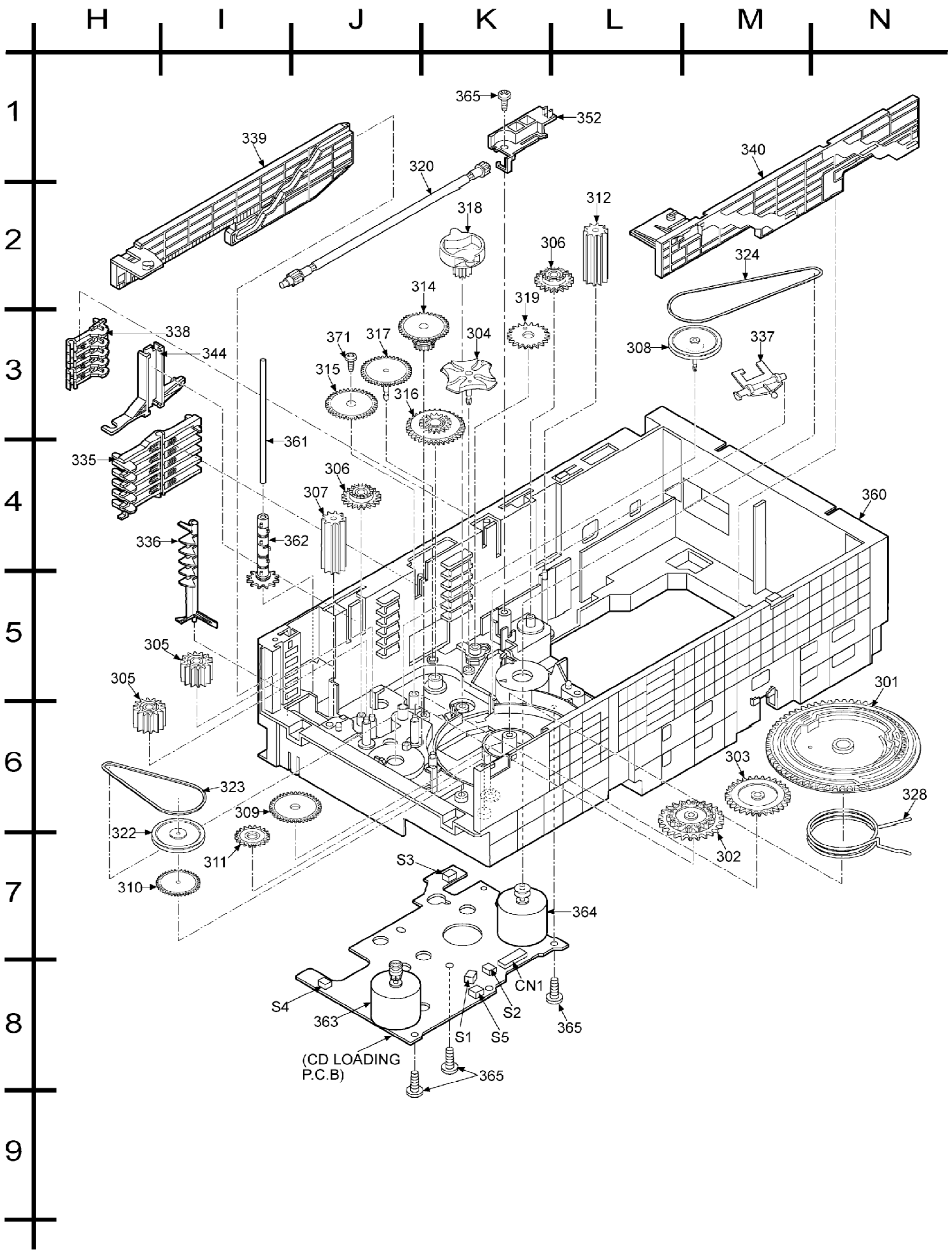
TRAVERSE DECK
(DVD MODULE
P.C.B)
FP8501
FP8201
FP8101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322
302
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S3
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CN1
S2
S4
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S1
S5
365
(CD LOADING
P.C.B)
365

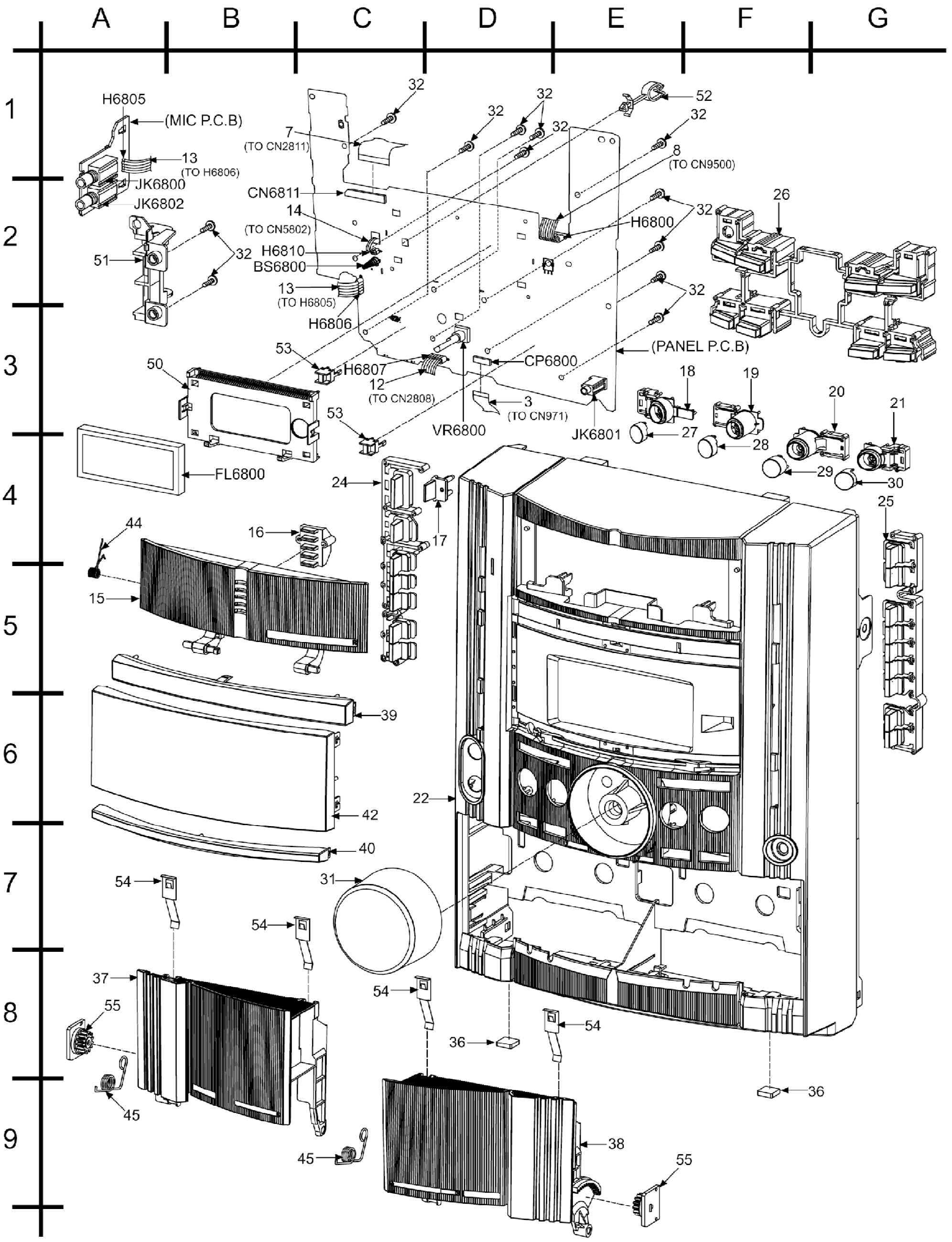
27.2.2. DVD Loading Mechanism Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	
301	RDG0519	MAIN GEAR	[M]
302	RDG0520	SPEED UP GEAR	[M]
303	RDG0521	REVERSE GEAR	[M]
304	RDG0522	GENEVA GEAR	[M]
305	RDG0523	HOR RELAY GEAR	[M]
306	RDG0525	CROWN GEAR	[M]
307	RDG0526	TRAY RELAY GEAR	[M]
308	RDG0527	UD PULLEY GEAR	[M]
309	RDG0528	HOR SPEED DOWN GEAR	[M]
310	RDG0529	HOR SPEED DOWN GEAR	[M]
311	RDG0530	HOR DRIVE GEAR	[M]
312	RDG0531	LOAD RELAY GEAR	[M]
313	RDG0532	LOAD GEAR	[M]
314	RDG0535	UD SPEED DOWN GEAR	[M]
315	RDG0534	UD SPEED DOWN GEAR	[M]
316	RDG0536	SELECT SPEED DOWN GEAR	[M]
317	RDG0537-1	SELECT DRIVE GEAR	[M]
318	RDG0538-1	CHANGE GEAR	[M]
319	RDG0539	UD DRIVE GEAR	[M]
320	RDG0540	TIMING GEAR	[M]
321	RDG0542	TRAY GEAR	[M]
322	RDG0543	HOR PULLEY GEAR	[M]
323	RDV0068	HOR BELT	[M]
324	RDV0069	UD BELT	[M]
325	RME0344-1	UD ASSIST SPRING	[M]
327	RME0363-1	LIMIT SPRING	[M]
328	RME0368-1	MAIN GEAR SPRING	[M]
329	RML0616	SPEED UP LOCK	[M]
330	RML0617-2	SEPARATE LEVER 1	[M]
331	RML0618-1	SEPARATE LEVER 2	[M]
332	RML0619-1	UD. CONNECTION LEVER	[M]
333	RML0620	TRV.CONNECT LEVER	[M]
334	RML0621-2	TRAY CHG. LEVER	[M]
335	RML0702	TRAY LOCK LEVER	[M]
336	RML0623	OPEN SW. LEVER	[M]
337	RML0624	CHG. LEVER	[M]
338	RML0701	TRAY STOPPER	[M]
339	RMM0239-1	UD.RACK [L]	[M]
340	RMM0240	UD.RACK [R]	[M]
341	RMM0290	TRV.SLIDE PLATE [L]	[M]
342	RMM0242-1	TRV.SLIDE PLATE [R]	[M]
343	RMM0243	SELECT RACK	[M]
344	RMM0244	SELECT GUIDE	[M]
345	RMQ1051-2	PITCH PLATE	[M]
346	RMQ1461	UD BASE	[M]
347	RMQ1056	TRAY GUIDE [L]	[M]
348	RMQ1057	TRAY GUIDE [R]	[M]
349	RMQ1058	GEAR HOLDER	[M]
350	RMQ1059-2	TOP COVER	[M]
351	RMQ1060	CLAMP GUIDE	[M]
352	RMQ1061	TG.PLATE	[M]
353	RMR1531-X	FIXTURE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
354	RMR1446-X	CLAMPER	[M]
355	RMR1714A-H	TRAY NO. 1	[M]
356	RMR1714B-H	TRAY NO. 2	[M]
357	RMR1714C-H	TRAY NO. 3	[M]
358	RMR1714D-H	TRAY NO. 4	[M]
359	RMR1714E-H	TRAY NO. 5	[M]
360	RFKNAPM77MDS	MECHA BASE ASS'Y	[M]
361	RMS0762	TRAY GEAR SHAFT	[M]
362	RXG0053	TRAY DRIVE GEAR ASSY	[M]
363	RXQ0803	LOADING MOTOR ASSY	[M]
364	RXQ0804	UD MOTOR ASSY	[M]
365	XTB3+10JFJ	SCREW	[M]
366	RMC0472	TRAY SPRING	[M]
368	XWG6FFY	BACK YOKE	[M]
369	JSM0048	MAGNET	[M]
371	RHD26045-L	SCREW	[M]
401	RAE2012Z-S	DU69U TRAVERSE UNIT	[M]
402	RMG0598-A	FLOATING RUBBER	[M]
403	RMG0617-H	CUSHION RUBBER A	[M]
404	RMG0618-H	CUSHION RUBBER B	[M]
405	RMR1596-X2	MIDDLE CHASSIS	[M]
406	RXQ1252	DVD OPU SUB ASS'Y	[M]
407	RMX0290	PLASTIC SHEET	[M]
408	RMS0789	FIXED PIN	[M]
409	XTV2+6GFJ	SCREW	[M]
410	RMC0387	SUPPORT SPRING	[M]

27.3. Cabinet

27.3.1. Cabinet Parts Location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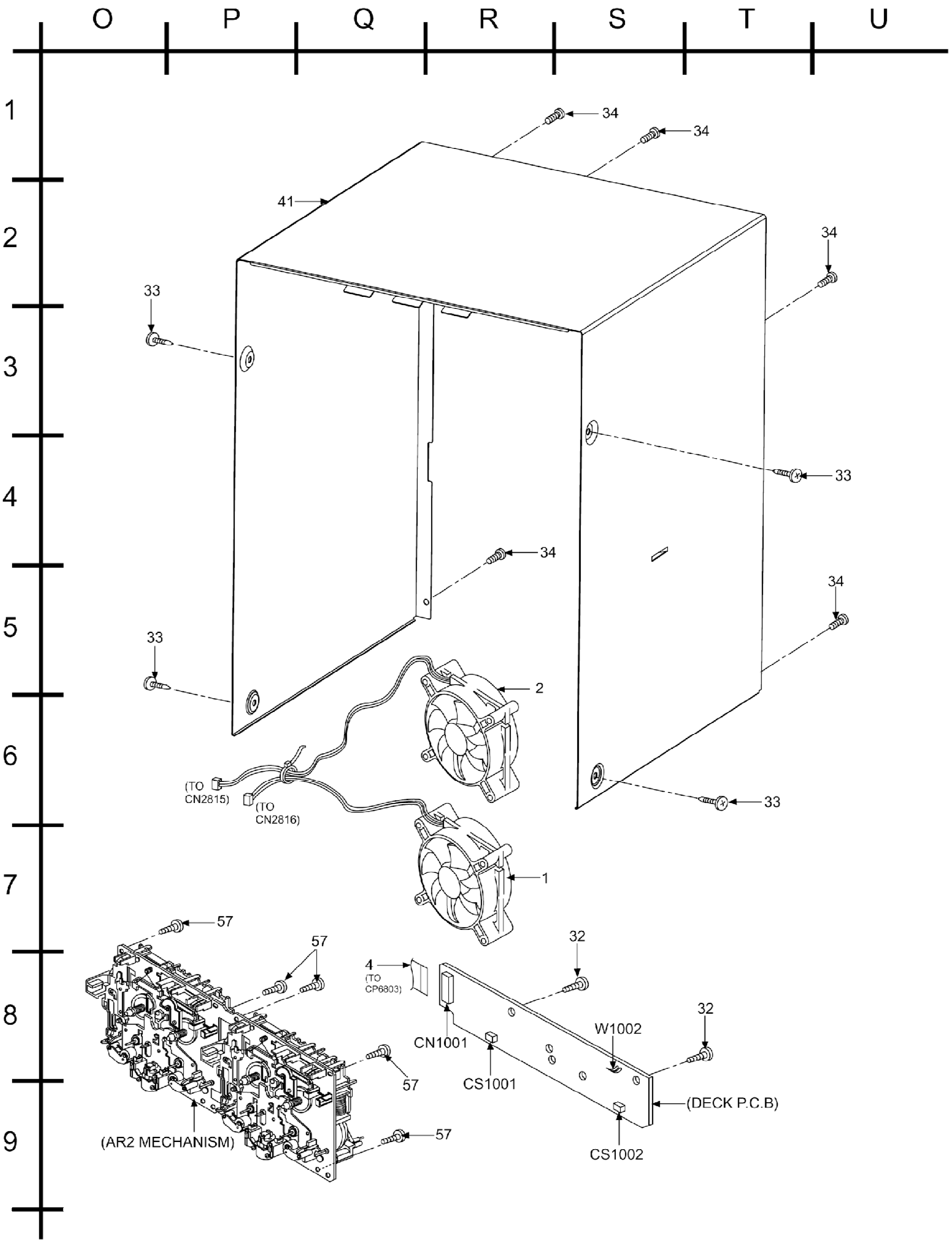
H6805
(MIC P.C.B)
(TO H6806)
JK6800
JK6802
(TO CN2811)
CN6811
(TO CN5802)
H6810
BS6800
(TO H6805)
H6806
(TO CN9500)
H6800
(PANEL P.C.B)
H6807
(TO CN2808)
CP6800
(TO CN971)
VR6800
JK6801
FL6800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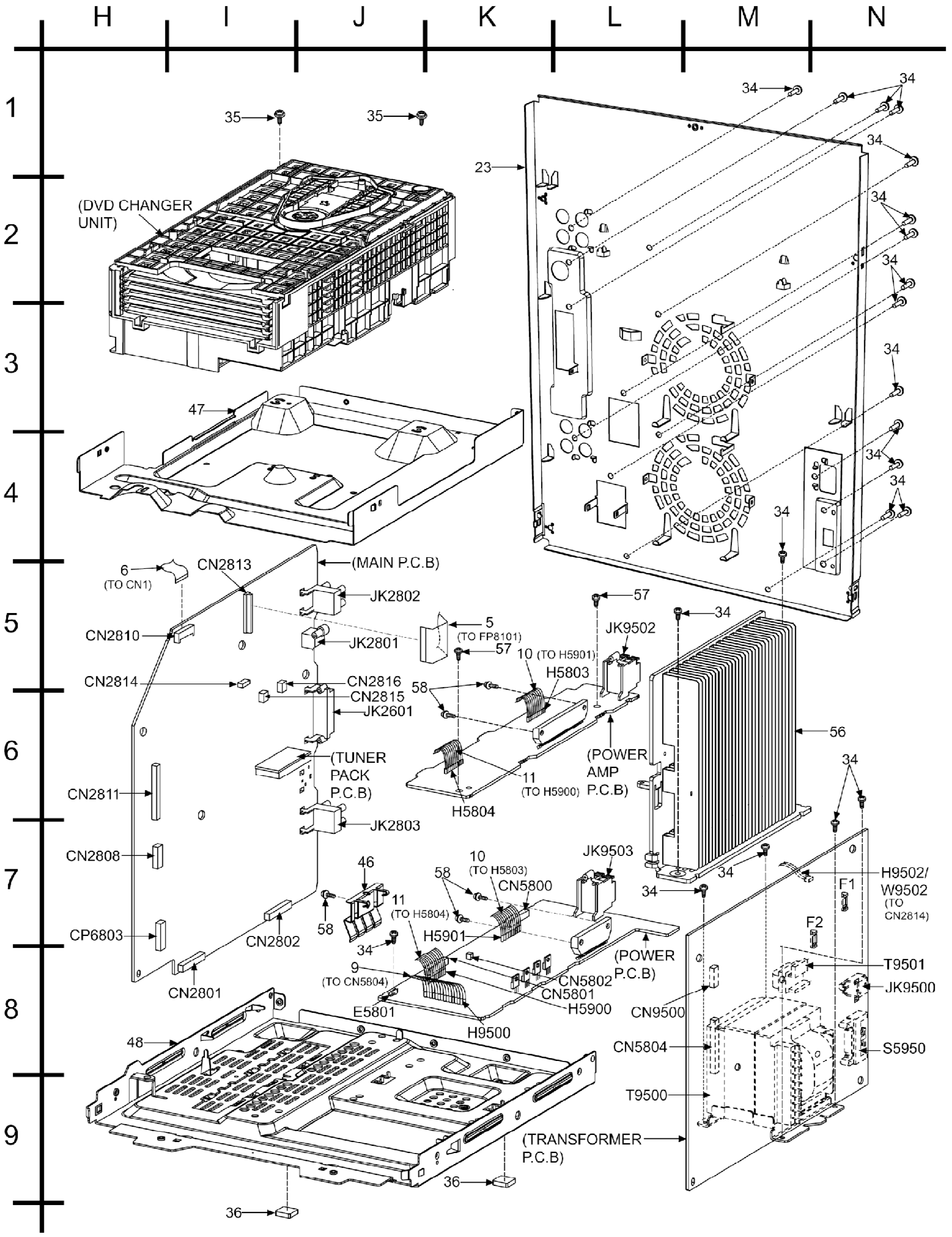
(TO CN2815)
(TO CN2816)
4 (TO CP6803)
W1002
CN1001
CS1001
(DECK P.C.B)
(AR2 MECHANISM)
CS1002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23
(DVD CHANGER UNIT)
47
6
(TO CN1)
CN2813
(MAIN P.C.B)
JK2802
JK2801
CN2810
CN2814
CN2816
CN2815
JK2601
(TUNER PACK P.C.B)
CN2811
JK2803
CN2808
CP6803
CN2802
CN2801
5
(TO FP8101)
57
57
10 (TO H5901)
H5803
58
JK9502
34
56
(POWER AMP P.C.B)
11
(TO H5900)
H5804
46
58
10
(TO H5803)
CN5800
JK9503
11
(TO H5804)
58
H5901
34
9
(TO CN5804)
E5801
CN5802
CN5801
H5900
H9500
(POWER P.C.B)
CN9500
H9502/
W9502
(TO CN2814)
F1
F2
T9501
JK9500
S5950
CN5804
T9500
48
(TRANSFORMER P.C.B)
36
36

27.3.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	L6FALEFH0023	FAN	[M]
2	L6FALEFH0030	FAN	[M]
3	REEX0202	10P FFC (PANEL)	[M]
4	REEX0211	14P FFC WIRE (DECK)	[M]
5	REEX0454	50P FCC WIRE (DVD)	[M]
6	REEX0455	14P FFC WIRE (DVD)	[M]
7	REEX0470	30P FFC WIRE (PANEL)	[M]
8	REXX0476	7P (2MM) FLAT WIRE	[M]
9	REXX0477	15P FLAT WIRE	[M]
10	REXX0478	10P FLAT WIRE	[M]
11	REXX0493	11P FLAT WIRE	[M]
12	REXX0483	6P (2MM) FLAT WIRE	[M]
13	REXX0486	5P (2MM) FLAT WIRE	[M]
14	REXX0491	2P WIRE (PANEL)	[M]
15	RGKX0315-1S	CD LID	[M]
16	RGLX0112-D	CD LID ORNAMENT	[M]
17	RGLX0113-Q	POWER LIGHT CHIP	[M]
18	RGLX0116-Q	F/BTN A (AUX)	[M]
19	RGLX0117-Q	F/BTN B (FM)	[M]
20	RGLX0118-Q	F/BTN C (TAPE)	[M]
21	RGLX0119-Q	F/BTN D (CD/DVD)	[M]
22	RGPX0198F-1S	FRONT PANEL	[M]
23	RGRX0052B-A	REAR PANEL	[M]GCS
23	RGRX0052B-B	REAR PANEL	[M]GS
23	RGRX0052B-C	REAR PANEL	[M]GCP
24	RGUX0630-S	POWER BUTTON	[M]
25	RGUX0631-S	CD CONTROL BUTTON	[M]
26	RGUX0632-1S	CONTROL BUTTON	[M]
27	RGUX0633-1S	F/BTN CAP A (AUX)	[M]
28	RGUX0634-1S	F/BTN CAP B (FM)	[M]
29	RGUX0635-1S	F/BTN CAP C (TAPE)	[M]
30	RGUX0636-1S	F/BTN CAP D (CD/DVD)	[M]
31	RGWX0072-S	VOLUME KNOB	[M]
32	RHD26046	SCREW	[M]
33	RHD30004-2S	SCREW	[M]
34	RHD30119-S	SCREW	[M]
35	RHDX30006	STEP SCREW	[M]
36	RKA0072-KJ	LEG CUSHION	[M]
37	RKFX0129-1S1	CASS LID L	[M]
38	RKFX0130-1S	CASS LID R	[M]
39	RGKX0316-S	FL ORNAMENT UPPER	[M]
40	RGKX0317-S	FL ORNAMENT LOWER	[M]
41	RKMX0105C-S	TOP CABINET (BENT)	[M]
42	RKWX0252F-V	FL WINDOW	[M]
44	RMBX0033	CD LID OPEN SPRING	[M]
45	RMBX0036	CASS OPEN SPRING	[M]
46	RMCX0021-J	TRANSISTOR CLIP	[M]
47	RMKX0109A-1	DVD CHASSIS	[M]
48	RMKX0111	BOTTOM CHASSIS	[M]
50	RMNX0110	FL HOLDER	[M]
51	RMNX0133-1	MIC JACK HOLDER	[M]
52	RMNX0159	WIRE CLAMPER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
53	RMNX0160	LED HOLDER	[M]
54	RUS757ZAA	CASS HALF SPRING	[M]
55	RXGX0002	DAMPER GEAR	[M]
56	RXXX0065	HEAT SINK UNIT	[M]
57	XTB3+10JFJ	SCREW	[M]
58	XTW3+15TFJ	SCREW	[M]

27.4. Electrical Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REP3867L	DVD MODULE P.C.B. (SIDE: A)	[M](RTL)GCP
	REP3867K	DVD MODULE P.C.B. (SIDE: A)	[M](RTL)GCS
	REP3867J	DVD MODULE P.C.B. (SIDE: A)	[M](RTL)GS
	REP3867L	DVD MODULE P.C.B. (SIDE: B)	[M](RTL)GCP
	REP3867K	DVD MODULE P.C.B. (SIDE: B)	[M](RTL)GCS
	REP3867J	DVD MODULE P.C.B. (SIDE: B)	[M](RTL)GS
	REPX0486F	MAIN P.C.B.	[M](RTL)GCS
	REPX0486H	MAIN P.C.B.	[M](RTL)GCP
	REPX0486G	MAIN P.C.B.	[M](RTL)GS
	REPX0487A	PANEL P.C.B.	[M](RTL)
	REPX0487A	MIC P.C.B.	[M](RTL)
	REP1999B	TUNER PACK P.C.B.	[M](RTL)
	REPX0331E	DECK P.C.B.	[M](RTL)
	REPX0321B	DECK MECHANISM P.C.B.	[M](RTL)
	REPX0488B	POWER P.C.B.	[M](RTL)
	REPX0488B	POWER AMP P.C.B.	[M](RTL)
	REPX0489A	TRANSFORMER P.C.B.	[M](RTL)
	REP3569A	CD LOADING P.C.B.	[M](RTL)
		INTEGRATED CIRCUITS	
IC11	C0GAG0000007	IC UP/DOWN MOTOR DRIVER	[M]
IC21	C0GAG0000007	IC LOADING MOTOR DRIVER	[M]
IC951	CNB13030R2AU	IC PHOTO INTERRUPTER	[M]
IC971	CNB13030R2AU	IC PHOTO INTERRUPTER	[M]
IC1001	AN7348S-E1	IC P.B. EQ/REC AMP/ALC/TPS AMP	[M]
IC1004	C1AA00000612	IC R/P SELECT	[M]
IC2006	C9ZB00000498	IC VIDEO	[M]
IC2601	LA1833NMNTLM	IC FM/AM IF AMP,DET/AM OSC,MIX/FM MPX	[M]
IC2602	LC72131MDTRM	IC PLL FREQUENCY SYNTHESIZER	[M]
IC2800	C1BB00000979	IC ANALOG SURROUND	[M]
IC2803	C0DBEZG00021	IC REGULATOR	[M]
IC2811	C0AABA000009	IC DUAL OP-AMP	[M]
IC2812	C1BB00000845	IC ASP	[M]
IC2813	C1BB00000801	IC KARAOKE	[M]
IC2814	KIA4558FEL	IC DUAL OP-AMP	[M]
IC2815	KIA4558FEL	IC DUAL OP-AMP	[M]
IC2817	C1BB00000086	IC SPEAKER ANALYZER	[M]
IC2818	C2CBJG000653	IC MICROPROCESSOR	[M]
IC2819	KIA4558FEL	IC DUAL OP-AMP	[M]
IC5001	RSN35H2B-P	IC POWER AMP	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC5801	RSN315H42C-P	IC POWER AMP	[M]
IC6803	C0HBB0000039	IC FL DRIVER	[M]
IC8001	MN2DS0003APH	IC DV2.1	[M]
IC8051	C3ABPG000133	IC 64 SDRAM	[M]
IC8111	C0CBCBD00018	IC 3.3V REGULATOR	[M]
IC8251	C0GBG0000048	IC MOTOR DRIVE	[M]
IC8421	C0FBBK000050	IC AUDIO DAC	[M]
IC8601	C0EBE0000384	IC RESET	[M]
IC8606	C0EBA0000031	IC RESET	[M]
IC8651	RFKWMH82H160	IC 16M FLASH ROM	[SPG]GCP/GS
IC8651	RFKWMH82J160	IC 16M FLASH ROM	[SPG]GCS
IC8691	C0JBAA000346	IC LOGIC	[M]
IC8695	C0JBAA000346	IC LOGIC	[M]
IC9500	C0DAAZG00012	IC REGULATOR	[M]
		TRANSISTORS	
Q1	2SK544F-AC	TRANSISTOR	[M]
Q1	B3NAA0000068	TRANSISTOR	[M]
Q2	B1AAAC000016	TRANSISTOR	[M]
Q3	B1AAAD000015	TRANSISTOR	[M]
Q4	B1AAAD000015	TRANSISTOR	[M]
Q1003	B1AAGC000007	TRANSISTOR	[M]
Q1004	B1AAGC000007	TRANSISTOR	[M]
Q1005	B1AAGC000007	TRANSISTOR	[M]
Q1007	B1ABCF000176	TRANSISTOR	[M]
Q1017	B1AARC000003	TRANSISTOR	[M]
Q2601	B1AABC000003	TRANSISTOR	[M]
Q2606	B1GCCFJJ0016	TRANSISTOR	[M]
Q2702	B1GBCFJJ0051	TRANSISTOR	[M]
Q2703	B1GDCFJJ0047	TRANSISTOR	[M]
Q2704	B1GDCFJJ0047	TRANSISTOR	[M]
Q2710	B1GBCFJJ0051	TRANSISTOR	[M]
Q2806	B1GBCFJN0033	TRANSISTOR	[M]
Q2813	B1GFGCAA0001	TRANSISTOR	[M]
Q2814	B1GDCFGA0018	TRANSISTOR	[M]
Q2815	B1GDCFGA0018	TRANSISTOR	[M]
Q2816	B1GDCFGA0018	TRANSISTOR	[M]
Q2818	B1GFGCAA0001	TRANSISTOR	[M]
Q2819	B1GFGCAA0001	TRANSISTOR	[M]
Q2820	B1ABEB000002	TRANSISTOR	[M]
Q2822	B1GDCFGA0018	TRANSISTOR	[M]
Q2823	B1GDCFGA0018	TRANSISTOR	[M]
Q2825	B1ABEB000002	TRANSISTOR	[M]
Q2838	B1GBCFJN0033	TRANSISTOR	[M]
Q2906	B1GBCFJA0028	TRANSISTOR	[M]
Q2909	2SD0592ARA	TRANSISTOR	[M]
Q2910	2SD0601AHL	TRANSISTOR	[M]
Q2911	2SB0709AHL	TRANSISTOR	[M]
Q2912	2SB0709AHL	TRANSISTOR	[M]
Q2913	2SD0601AHL	TRANSISTOR	[M]
Q2914	2SD0592ARA	TRANSISTOR	[M]
Q2915	2SB0709AHL	TRANSISTOR	[M]
Q2916	2SB0709AHL	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q2917	B1ABEB000002	TRANSISTOR	[M]
Q2919	B1GFGCAA0001	TRANSISTOR	[M]
Q2920	B1GDCFGA0018	TRANSISTOR	[M]
Q5801	B1ABCF000176	TRANSISTOR	[M]
Q5802	B1BCCG000002	TRANSISTOR	[M]
Q5803	B1BACG000023	TRANSISTOR	[M]
Q5804	B1BCCG000002	TRANSISTOR	[M]
Q5805	B1ACCF000094	TRANSISTOR	[M]
Q5806	B1GDCFGA0018	TRANSISTOR	[M]
Q5807	B1ABCF000176	TRANSISTOR	[M]
Q5808	B1AAKD000014	TRANSISTOR	[M]
Q5809	B1BACG000023	TRANSISTOR	[M]
Q5810	B1ABCF000176	TRANSISTOR	[M]
Q5811	B1ABCF000176	TRANSISTOR	[M]
Q6800	B1ACKD000004	TRANSISTOR	[M]
Q6801	B1ACKD000004	TRANSISTOR	[M]
Q6802	B1GBCFJJ0051	TRANSISTOR	[M]
Q6803	B1ACCF000094	TRANSISTOR	[M]
Q6804	B1ACCF000094	TRANSISTOR	[M]
Q6805	B1GACFJJ0018	TRANSISTOR	[M]
Q6806	B1ABCF000176	TRANSISTOR	[M]
Q6807	B1ABCF000176	TRANSISTOR	[M]
Q6808	B1GBCFJJ0051	TRANSISTOR	[M]
Q6809	B1GFGCAA0001	TRANSISTOR	[M]
Q6810	B1GCCFGA0006	TRANSISTOR	[M]
Q6811	B1GBCFJN0033	TRANSISTOR	[M]
Q6817	B1ABCF000176	TRANSISTOR	[M]
Q6820	B1GBCFJN0033	TRANSISTOR	[M]
Q8550	2SB1219AHL	TRANSISTOR	[M]
Q8551	2SD1819A0L	TRANSISTOR	[M]
Q8552	2SB09700RL	TRANSISTOR	[M]
Q8560	2SD1819A0L	TRANSISTOR	[M]
Q8561	2SD1819A0L	TRANSISTOR	[M]
Q8562	2SB09700RL	TRANSISTOR	[M]
Q8606	2SD1819A0L	TRANSISTOR	[M]
Q8607	2SD1819A0L	TRANSISTOR	[M]
Q9500	B1AAGC000007	TRANSISTOR	[M]
Q9501	2SD21370PA	TRANSISTOR	[M]
Q9502	B1AAGC000007	TRANSISTOR	[M]
Q9503	2SB0621AHA	TRANSISTOR	[M]
Q9504	B1ACKD000004	TRANSISTOR	[M]
QR8111	UNR521400L	CHIP TRANSISTOR	[M]
QR8112	UNR521400L	CHIP TRANSISTOR	[M]
QR8420	UNR521100L	CHIP TRANSISTOR	[M]
QR8571	UNR511V00L	CHIP TRANSISTOR	[M]
		DIODES	
D1	B0CBAD000004	DIODE	[M]
D2	B0CBAD000004	DIODE	[M]
D3	B0CBAD000004	DIODE	[M]
D951	MA2C16500E	DIODE	[M]
D971	MA2C16500E	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D1003	B0ACCK000005	DIODE	[M]
D2601	B0BC5R000009	DIODE	[M]
D2602	B0CDBB000015	DIODE	[M]
D2809	B0ACCK000005	DIODE	[M]
D2810	B0EAKM000117	DIODE	[M]
D2811	B0EAKM000117	DIODE	[M]
D2818	B0ACCK000005	DIODE	[M]
D2836	B0EAKM000117	DIODE	[M]
D2837	B0EAKM000117	DIODE	[M]
D2900	B0BC5R000009	DIODE	[M]
D2901	B0ACCK000005	DIODE	[M]
D2905	B0ACCK000005	DIODE	[M]
D2906	B0ACCK000005	DIODE	[M]
D2908	B0ACCK000005	DIODE	[M]
D2909	B0ACCK000005	DIODE	[M]
D2910	B0ACCE000003	DIODE	[M]
D2911	B0ACCK000005	DIODE	[M]
D2912	B0ACCK000005	DIODE	[M]
D2913	B0ADCJ000020	DIODE	[M]
D2914	B0ACCK000005	DIODE	[M]
D2915	B0ACCK000005	DIODE	[M]
D2916	B0ACCK000005	DIODE	[M]
D2917	B0ACCK000005	DIODE	[M]
D2918	B0ACCK000005	DIODE	[M]
D2919	B0ACCK000005	DIODE	[M]
D5801	B0BC010A0007	DIODE	[M]
D5803	B0BC01600013	DIODE	[M]
D5804	B0ACCK000005	DIODE	[M]
D5805	B0EAKM000117	DIODE	[M]
D5806	B0EAKM000117	DIODE	[M]
D5809	B0ACCK000005	DIODE	[M]
D5810	B0BC01000014	DIODE	[M]
D5820	B0BC01500006	DIODE	[M]
D5821	B0BC5R600003	DIODE	[M]
D6800	B0BC5R600003	DIODE	[M]
D6801	B3AAA0000583	DIODE	[M]
D6802	B0ACCE000003	DIODE	[M]
D6809	B3AEA0000041	DIODE	[M]
D6810	B3AEA0000041	DIODE	[M]
D6812	B0BC8R100004	DIODE	[M]
D6813	B0BC8R100004	DIODE	[M]
D6815	MAZ80560ML	DIODE	[M]
D8231	MA2J11100L	DIODE	[M]
D8550	MA2J11100L	DIODE	[M]
D8571	MA2J72800L	DIODE	[M]
D9500	B0AACK000004	DIODE	[M]
D9501	B0AACK000004	DIODE	[M]
D9502	B0BA7R000005	DIODE	[M]
D9503	B0JAPG000019	DIODE	[M]
D9504	B0FBAM000009	DIODE	[M]
D9505	B0FBAM000009	DIODE	[M]
D9508	B0EAKM000125	DIODE	[M]
D9509	B0EAKM000125	DIODE	[M]
D9510	B0AACK000004	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D9511	B0EAKM000125	DIODE	[M]
D9512	B0EAKM000125	DIODE	[M]
D9513	B0EAKM000126	DIODE	[M]
D9514	B0EAKM000126	DIODE	[M]
D9515	B0BA7R000005	DIODE	[M]
D9516	B0BA03100002	DIODE	[M]
D9517	B0EAKM000125	DIODE	[M]
D9518	B0EAMM000038	DIODE	[M]
D9519	B0EAMM000038	DIODE	[M]
D9520	B0EAMM000038	DIODE	[M]
D9521	B0EAMM000038	DIODE	[M]
D9522	B0EAKM000126	DIODE	[M]
D9523	B0EAKM000126	DIODE	[M]
D9524	B0EAKM000126	DIODE	[M]
D9525	B0EAKM000126	DIODE	[M]
D9526	B0EAKM000126	DIODE	[M]
D9527	B0EAKM000126	DIODE	[M]
D9528	B0EAKM000126	DIODE	[M]
D9529	B0EAKM000126	DIODE	[M]
		CHIP INDUCTORS	
LB8001	J0JHC0000045	CHIP INDUCTOR	[M]
LB8002	J0JHC0000045	CHIP INDUCTOR	[M]
LB8301	J0JCC0000119	CHIP INDUCTOR	[M]
LB8302	J0JCC0000119	CHIP INDUCTOR	[M]
LB8303	J0JCC0000119	CHIP INDUCTOR	[M]
LB8304	J0JCC0000119	CHIP INDUCTOR	[M]
LB8305	J0JCC0000119	CHIP INDUCTOR	[M]
LB8401	ERJ2GEJ151X	CHIP RESISTOR	[M]
LB8421	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8422	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8423	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8424	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8425	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8426	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8427	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8428	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8429	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8430	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8491	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8502	J0JHC0000045	CHIP INDUCTOR	[M]
LB8503	ERJ2GE0R00X	CHIP JUMPER	[M]
LB8504	J0JCC0000119	CHIP INDUCTOR	[M]
LB8505	J0JCC0000119	CHIP INDUCTOR	[M]
LB8507	J0JCC0000119	CHIP INDUCTOR	[M]
LB8511	ERJ3GEY0R00V	CHIP JUMPER	[M]
LB8512	ERJ3GEY0R00V	CHIP JUMPER	[M]
LB8513	ERJ3GEY0R00V	CHIP JUMPER	[M]
LB8514	ERJ3GEY0R00V	CHIP JUMPER	[M]
LB8690	J0JCC0000091	FILTER	[M]
LB8691	ERJ2GEJ101X	CHIP RESISTOR	[M]
LB8692	ERJ2GEJ101X	CHIP RESISTOR	[M]
LB8693	ERJ2GEJ101X	CHIP RESISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		VARIABLE RESISTORS	
VR6800	EVEHE1F3512M	VR VOLUME JOG	[M]
		SWITCHES	
S1	K0L1BA000065	SW STOCK	[M]
S2	K0L1BA000065	SW STOCK	[M]
S3	K0L1BA000078	SW BOTTOM	[M]
S4	RSH1A045-1A	SW OPEN	[M]
S5	K0L1BA000065	SW CHANGE	[M]
S951	K0J1BB000017	SW MODE	[M]
S952	K0J1BB000021	SW HALF	[M]
S971	K0J1BB000017	SW MODE	[M]
S972	K0J1BB000021	SW HALF	[M]
S974	K0J1BB000021	SW RECINH_R	[M]
S975	K0J1BB000021	SW RECINH_F	[M]
S5950	K0ABLB000003	SW AC VOLTAGE SELECTOR	[M] ⚠
S6800	K0H1BA000502	SW DVD/CD	[M]
S6801	K0H1BA000502	SW TAPE	[M]
S6802	K0H1BA000502	SW TUNER/BAND	[M]
S6803	K0H1BA000502	SW AUX	[M]
S6804	K0H1BA000502	SW DECK 1	[M]
S6805	K0H1BA000502	SW DISPLAY/DEMO	[M]
S6806	K0H1BA000502	SW DECK 2	[M]
S6807	K0H1BA000502	SW REW	[M]
S6808	K0H1BA000502	SW FF	[M]
S6809	K0H1BA000502	SW STOP	[M]
S6810	K0H1BA000502	SW AC IN	[M]
S6811	K0H1BA000502	SW DISC CHECK	[M]
S6812	K0H1BA000502	SW MULTI RE-MASTER	[M]
S6813	K0H1BA000502	SW SUPER SURROUND	[M]
S6814	K0H1BA000502	SW MIC UP	[M]
S6815	K0H1BA000502	SW MIC DOWN	[M]
S6816	K0H1BA000502	SW DECK 1/2	[M]
S6817	K0H1BA000502	SW REC	[M]
S6818	K0H1BA000502	SW SOUND EQ	[M]
S6819	K0H1BA000502	SW OPEN/CLOSE	[M]
S6820	K0H1BA000502	SW DISC CHANGE	[M]
S6821	K0H1BA000502	SW DISC 5	[M]
S6822	K0H1BA000502	SW DISC 4	[M]
S6823	K0H1BA000502	SW DISC 3	[M]
S6824	K0H1BA000502	SW DISC 2	[M]
S6825	K0H1BA000502	SW DISC 1	[M]
S6826	K0H1BA000502	SW SUPER SOUND EQ	[M]
S6827	K0H1BA000502	SW SUBWOOFER	[M]
		CONNECTORS	
CN1	K1MN14B00066	14P FFC CONNECTOR	[M]
CN971	K1MN10B00104	10P FFC CONNECTOR	[M]
CN1001	K1MN14B00058	14P CONNECTOR	[M]
CN2801	K1KB12B00036	12P CONNECTOR	[M]

[illegible]	[illegible]	12P CONNECTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
CN2802	K1KB12B00036	12P CONNECTOR	[M]
CN2808	K1KA06A00308	6P CONNECTOR	[M]
CN2810	K1MN14BA0004	14P CONNECTOR	[M]
CN2811	K1MN30A00046	30P FFC CONNECTOR	[M]
CN2813	K1MN50A00008	50P CONNECTOR	[M]
CN2814	K1KA03AA0301	3P CONNECTOR	[M]
CN2815	K1KA02AA0186	2P CONNECTOR	[M]
CN2816	K1KA02AA0186	2P CONNECTOR	[M]
CN5800	K1KA12AA0424	12P CONNECTOR	[M]
CN5801	K1KA12AA0424	12P CONNECTOR	[M]
CN5802	K1KA02A00375	2P CONNECTOR	[M]
CN5804	K1KA15AA0319	15P CONNECTOR	[M]
CN6811	K1MN30BA0167	30P CONNECTOR	[M]
CN9500	K1KA07A00184	7P CONNECTOR	[M]
CP6800	K1MN10B00104	10P FFC CONNECTOR	[M]
CP6803	K1MN14A00049	14P FFC CONNECTOR	[M]
CS1001	K1MN05A00039	5P CONNECTOR	[M]
CS1002	K1MN05A00039	5P CONNECTOR	[M]
FP8101	K1MN50B00031	50P CONNECTOR	[M]
FP8201	K1MN06B00080	6P CONNECTOR	[M]
FP8501	K1MN26B00094	26P CONNECTOR	[M]
		CERAMIC FILTERS	
CF2601	J0B1075AA014	FM CERAMIC FILTER	[M]
CF2602	J0B1075AA014	FM CERAMIC FILTER	[M]
		COILS & TRANSFORMERS	
L1	G0C1R2KA0029	AXIAL COIL	[M]
L2	G0CR47KA0029	AXIAL COIL	[M]
L1001	G0C470JA0052	RF CHOKE COIL	[M]
L1002	7L1A62N	BIAS OSC COIL	[M]
L2601	G2A411C00001	AM COIL	[M]
L2602	G2BPC0000016	OSCILLATOR COIL	[M]
L2802	ERJ3GEY0R00V	CHIP JUMPER	[M]
L2804	G0C101JA0052	INDUCTOR	[M]
L2806	J0JBC0000041	CHIP INDUCTOR	[M]
L2807	J0JBC0000041	CHIP INDUCTOR	[M]
L2808	J0JBC0000019	CHIP INDUCTOR	[M]
L2809	J0JBC0000041	CHIP INDUCTOR	[M]
L2810	J0JBC0000041	CHIP INDUCTOR	[M]
L2811	J0JCC0000120	CHIP INDUCTOR	[M]
L2812	J0JCC0000120	CHIP INDUCTOR	[M]
L2813	J0JCC0000120	CHIP INDUCTOR	[M]
L2814	J0JCC0000120	CHIP INDUCTOR	[M]
L2815	J0JCC0000120	CHIP INDUCTOR	[M]
L2816	J0JCC0000120	CHIP INDUCTOR	[M]
L2904	G0A200D00002	COIL	[M]
L2905	G0A200D00002	COIL	[M]
L2906	G0A200D00002	COIL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
L5404	G0AR76Y00001	CHOKE COIL	[M]
L5405	G0AR76Y00001	CHOKE COIL	[M]
L5406	G0AR76Y00001	CHOKE COIL	[M]
L6801	G0C101JA0052	INDUCTOR	[M]
L6802	G0C101JA0052	INDUCTOR	[M]
L6803	G0C101JA0052	INDUCTOR	[M]
L6804	G0C100JA0052	INDUCTOR	[M]
L6805	G0C100JA0052	INDUCTOR	[M]
L6806	G0C3R3JA0052	COIL	[M]
L6808	G0C100JA0052	INDUCTOR	[M]
L6809	G0C100JA0052	INDUCTOR	[M]
L8201	G1C100K00020	CHIP INDUCTOR	[M]
L8202	J0JCC0000079	FILTER	[M]
L8301	G1C100KA0055	CHIP INDUCTOR	[M]
L8302	J0JCC0000079	FILTER	[M]
L8550	G1C100KA0055	CHIP INDUCTOR	[M]
L9500	G0A101G00022	COIL	[M]
L9502	G0AR76Y00001	CHOKE COIL	[M]
L9504	G0AR76Y00001	CHOKE COIL	[M]
L9507	G0AR76Y00001	CHOKE COIL	[M]
T9500	G4C8AGK00003	TRANSFORMER	[M] ⚠
T9501	G4C2AAJ00005	BACK-UP TRANSFORMER	[M] ⚠
		COMPONENT COMBINATIONS	
Z971	RGSD12A1445T	RADA RESISTOR	[M]
Z2602	G2BAD0000003	AM IFT	[M]
Z6800	B3RAB0000025	REMOTE SENSOR	[M]
Z9500	ERZV10V511CS	ZENER	[M] ⚠
BS6800	RMBX0032	GROUND SPRING	[M]
		RELAY	
RL9500	K6B1AEA00015	POWER RELAY	[M] ⚠
		OSCILLATORS	
X2602	H3F1065A0002	DISCRIMINATOR	[M]
X2603	H0H720400005	CRYSTAL OSCILLATOR	[M]
X6800	H2A1005A0005	10MHZ RESONATOR	[M]
X6801	H0A327200115	CRYSTAL OSCILLATOR	[M]
X8621	H0J270500085	CRYSTAL OSCILLATOR	[M]
		DISPLAY TUBES	
FL6800	A2BD00000125	FL DISPLAY	[M]
FL8101	F1H0J1050022	CHIP CAPACITOR	[M]
FL8102	F1H0J1050022	CHIP CAPACITOR	[M]
FL8103	F1H0J1050022	CHIP CAPACITOR	[M]
FL8104	F1J1E1040022	CHIP CAPACITOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		FUSES	
F1	K5D402BLA013	FUSE 250V T4AL	[M] ⚠
F2	K5D202BLA013	FUSE 2.0A	[M] ⚠
		FUSE HOLDERS	
FC1	K3GE1BA00021	FUSE CLIP	[M]
FC2	K3GE1BA00021	FUSE CLIP	[M]
FC3	K3GE1BA00021	FUSE CLIP	[M]
FC4	K3GE1BA00021	FUSE CLIP	[M]
		FUSE PROTECTORS	
FP5833	K5G401A00008	FUSE PROTECTOR	[M] ⚠
FP9500	K5G102A00023	FUSE PROTECTOR	[M] ⚠
FP9501	K5G402A00025	FUSE PROTECTOR	[M] ⚠
FP9502	K5G402A00025	FUSE PROTECTOR	[M] ⚠
FP9503	K5G402A00025	FUSE PROTECTOR	[M] ⚠
		HOLDERS	
H5803	K1YF10000006	10P WIRE HOLDER	[M]
H5804	K1YF11000004	11P WIRE HOLDER	[M]
H5900	K1YF11000004	11P WIRE HOLDER	[M]
H5901	K1YF10000006	10P WIRE HOLDER	[M]
H6800	RMR0316	7P WIRE HOLDER	[M]
H6805	K1YF05000001	5P CABLE HOLDER	[M]
H6806	K1YF05000001	5P CABLE HOLDER	[M]
H6807	K1YF06000001	6P CONNECTOR	[M]
H6810	K1YZ02000015	2P WIRE HOLDER	[M]
H9500	K1YF15000004	15P WIRE HOLDER	[M]
H9502	REXX0481	2P FLAT WIRE (W9502)	[M]
		JACKS	
JK2601	K4BC04B00105	JK ANTENNA	[M]
JK2801	K1CB105B0039	JK S-VIDEO	[M]
JK2802	K2HA408B0061	JK COMP/VIDEO	[M]
JK2803	K2HA204B0166	JK PIN RCA	[M]
JK6800	K2HB102J0038	JK	[M]
JK6801	K2HC103A0024	JK SMALL SIGN	[M]
JK6802	K2HB102J0038	JK	[M]
JK9500	K2AA2B000011	JK AC INLET	[M] ⚠
JK9502	K4BC06B00063	JK 6P SPEAKER	[M]
JK9503	K4BC06B00049	JK SPEAKER	[M]
		EARTH TERMINAL	
E5801	SNE1004-3	EARTH TERMINAL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		WIRES	
W1	REU13W125XX	WIRE	[M]
W1002	RWJ0102050CK	MOTOR WIRE	[M]
		CHIP JUMPERS	
W2087	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2090	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2091	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2094	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2095	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2096	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2099	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2101	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2103	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2104	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2125	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2126	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2127	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2128	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2130	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2131	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2132	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2133	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2919	ERJ3GEY0R00V	CHIP JUMPER	[M]
W2999	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3002	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3003	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3004	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3005	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3006	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3007	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3008	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3009	ERJ3GEY0R00V	CHIP JUMPER	[M]
W3011	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5905	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5906	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5907	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5908	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5909	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5910	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5914	ERJ3GEY0R00V	CHIP JUMPER	[M]
W5915	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6810	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6830	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6882	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6886	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6887	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6888	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6889	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6890	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6891	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6901	ERJ3GEY0R00V	CHIP JUMPER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
W6902	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6906	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6907	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6908	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6915	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6916	ERJ3GEY0R00V	CHIP JUMPER	[M]
W6919	ERJ3GEY0R00V	CHIP JUMPER	[M]
D6814	ERJ3GEY0R00V	DIODE	[M]
		RESISTORS	
R1	ERDS2TJ104T	100K 1/4W	[M]
R2	ERDS2TJ104T	100K 1/4W	[M]
R3	ERDS2TJ221T	220 1/4W	[M]
R4	ERDS2TJ104T	100K 1/4W	[M]
R5	ERDS2TJ564T	560K 1/4W	[M]
R6	ERDS2TJ391T	390 1/4W	[M]
R7	ERDS2TJ272T	2.7K 1/4W	[M]
R8	ERDS2TJ684T	680K 1/4W	[M]
R9	ERDS2TJ391T	390 1/4W	[M]
R10	ERDS2TJ391T	390 1/4W	[M]
R11	ERDS2TJ684T	680K 1/4W	[M]
R952	ERDS2TJ821T	820 1/4W	[M]
R953	ERDS2TJ393T	39K 1/4W	[M]
R972	ERDS2TJ821T	820 1/4W	[M]
R973	ERDS2TJ393T	39K 1/4W	[M]
R1002	ERJ3GEY0R00V	0 1/16W	[M]
R1003	ERJ3GEYJ103V	10K 1/16W	[M]
R1004	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1005	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1007	ERD25FVJ4R7T	4.7 1/4W	[M]
R1009	ERJ3GEYJ183V	18K 1/16W	[M]
R1010	ERJ3GEYJ183V	18K 1/16W	[M]
R1011	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1012	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1013	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1014	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1015	ERJ3GEYJ470V	47 1/16W	[M]
R1016	ERJ3GEYJ470V	47 1/16W	[M]
R1017	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1018	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1019	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1020	ERJ3GEY0R00V	0 1/16W	[M]
R1022	ERJ3GEYJ103V	10K 1/16W	[M]
R1024	ERJ3GEY0R00V	0 1/16W	[M]
R1025	ERJ3GEY0R00V	0 1/16W	[M]
R1026	ERJ3GEYJ102V	1K 1/16W	[M]
R1027	ERJ3GEY0R00V	0 1/16W	[M]
R1028	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1029	ERJ3GEYJ475V	4.7M 1/16W	[M]
R1030	ERJ3GEYJ101V	100 1/16W	[M]
R1031	ERJ3GEYJ273V	27K 1/16W	[M]
R1032	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1035	ERJ3GEYJ103V	10K 1/16W	[M]
R1040	ERJ3GEY0R00V	0 1/16W	[M]
R1049	ERJ3GEY0R00V	0 1/16W	[M]
R1050	ERJ3GEY0R00V	0 1/16W	[M]
R1055	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1057	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1060	ERJ3GEYJ391V	390 1/16W	[M]
R1084	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1085	ERJ3GEYJ473V	47K 1/16W	[M]
R1086	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1087	ERJ3GEYJ473V	47K 1/16W	[M]
R1090	ERJ3GEYJ221V	220 1/16W	[M]
R1091	ERJ3GEY0R00V	0 1/16W	[M]
R1092	ERJ3GEY0R00V	0 1/16W	[M]
R1097	ERJ3GEYJ103V	10K 1/16W	[M]
R1098	ERJ3GEYJ103V	10K 1/16W	[M]
R1099	ERJ3GEY0R00V	0 1/16W	[M]
R1100	ERJ3GEY0R00V	0 1/16W	[M]
R1101	ERJ3GEY0R00V	0 1/16W	[M]
R1102	ERJ3GEYJ103V	10K 1/16W	[M]
R2052	ERJ3GEY0R00V	0 1/16W	[M]
R2053	ERJ3GEY0R00V	0 1/16W	[M]
R2054	ERJ3GEY0R00V	0 1/16W	[M]
R2055	ERJ3GEY0R00V	0 1/16W	[M]
R2056	ERJ3GEY0R00V	0 1/16W	[M]
R2057	ERJ3GEY0R00V	0 1/16W	[M]
R2058	ERJ3GEY0R00V	0 1/16W	[M]
R2059	ERJ3GEY0R00V	0 1/16W	[M]
R2060	ERJ3GEY0R00V	0 1/16W	[M]
R2061	ERJ3GEY0R00V	0 1/16W	[M]
R2062	ERJ3GEY0R00V	0 1/16W	[M]
R2064	ERJ3GEY0R00V	0 1/16W	[M]
R2065	ERJ3GEY0R00V	0 1/16W	[M]
R2066	ERJ3GEY0R00V	0 1/16W	[M]
R2067	ERJ3GEY0R00V	0 1/16W	[M]
R2068	ERJ3GEY0R00V	0 1/16W	[M]
R2069	ERJ3GEY0R00V	0 1/16W	[M]
R2070	ERJ3GEY0R00V	0 1/16W	[M]
R2072	ERJ3GEY0R00V	0 1/16W	[M]
R2073	ERJ3GEY0R00V	0 1/16W	[M]
R2074	ERJ3GEY0R00V	0 1/16W	[M]
R2075	ERJ3GEY0R00V	0 1/16W	[M]
R2076	ERJ3GEY0R00V	0 1/16W	[M]
R2077	ERJ3GEY0R00V	0 1/16W	[M]
R2078	ERJ3GEY0R00V	0 1/16W	[M]
R2079	ERJ3GEY0R00V	0 1/16W	[M]
R2080	ERJ3GEY0R00V	0 1/16W	[M]
R2081	ERJ3GEY0R00V	0 1/16W	[M]
R2084	ERJ3GEY0R00V	0 1/16W	[M]
R2086	ERJ3GEY0R00V	0 1/16W	[M]
R2088	ERJ3GEY0R00V	0 1/16W	[M]
R2089	ERJ3GEY0R00V	0 1/16W	[M]
R2090	ERJ3GEY0R00V	0 1/16W	[M]
R2091	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2094	ERJ3GEY0R00V	0 1/16W	[M]
R2095	ERJ3GEY0R00V	0 1/16W	[M]
R2096	ERJ3GEY0R00V	0 1/16W	[M]
R2097	ERJ3GEY0R00V	0 1/16W	[M]
R2098	ERJ3GEY0R00V	0 1/16W	[M]
R2100	ERJ3GEYJ183V	18K 1/16W	[M]
R2101	ERJ3GEYJ183V	18K 1/16W	[M]
R2102	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2103	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2104	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2105	ERJ3GEYJ183V	18K 1/16W	[M]
R2106	ERJ3GEYJ102V	1K 1/16W	[M]
R2107	ERJ3GEYJ473V	47K 1/16W	[M]
R2108	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2109	ERJ3GEYJ123V	12K 1/16W	[M]
R2110	ERJ3GEYJ104V	100K 1/16W	[M]
R2111	ERJ3GEYJ272V	2.7K 1/16W	[M]
R2112	ERJ3GEYJ104V	100K 1/16W	[M]
R2113	ERJ3GEYJ103V	10K 1/16W	[M]
R2114	ERJ3GEYJ473V	47K 1/16W	[M]
R2115	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2116	ERJ3GEYJ223V	22K 1/16W	[M]
R2117	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2118	ERJ3GEYJ102V	1K 1/16W	[M]
R2119	ERJ3GEYJ224V	220K 1/16W	[M]
R2120	ERJ3GEYJ102V	1K 1/16W	[M]
R2121	ERJ3GEYJ273V	27K 1/16W	[M]
R2122	ERJ3GEYJ683V	68K 1/16W	[M]
R2124	ERJ3GEYJ123V	12K 1/16W	[M]
R2126	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2127	ERJ3GEYJ153V	15K 1/16W	[M]
R2128	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2129	ERJ3GEYJ101V	100 1/16W	[M]
R2130	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2131	ERJ3GEYJ333V	33K 1/16W	[M]
R2132	ERJ3GEYJ471V	470 1/16W	[M]
R2133	ERJ3GEY0R00V	0 1/16W	[M]
R2135	ERJ3GEYJ273V	27K 1/16W	[M]
R2136	ERJ3GEYJ273V	27K 1/16W	[M]
R2137	ERJ3GEYJ101V	100 1/16W	[M]
R2138	ERJ3GEYJ333V	33K 1/16W	[M]
R2139	ERJ3GEYJ123V	12K 1/16W	[M]
R2154	ERJ3GEYJ334V	330K 1/16W	[M]
R2155	ERJ3GEYJ123V	12K 1/16W	[M]
R2162	ERJ3GEY0R00V	0 1/16W	[M]
R2200	ERJ3GEYJ183V	18K 1/16W	[M]
R2201	ERJ3GEYJ183V	18K 1/16W	[M]
R2202	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2203	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2204	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2205	ERJ3GEYJ183V	18K 1/16W	[M]
R2206	ERJ3GEYJ102V	1K 1/16W	[M]
R2207	ERJ3GEYJ473V	47K 1/16W	[M]
R2208	ERJ3GEYJ332V	3.3K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2209	ERJ3GEYJ123V	12K 1/16W	[M]
R2210	ERJ3GEYJ104V	100K 1/16W	[M]
R2211	ERJ3GEYJ272V	2.7K 1/16W	[M]
R2212	ERJ3GEYJ104V	100K 1/16W	[M]
R2213	ERJ3GEYJ103V	10K 1/16W	[M]
R2214	ERJ3GEYJ473V	47K 1/16W	[M]
R2215	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2216	ERJ3GEYJ223V	22K 1/16W	[M]
R2217	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2218	ERJ3GEYJ102V	1K 1/16W	[M]
R2219	ERJ3GEYJ224V	220K 1/16W	[M]
R2220	ERJ3GEYJ102V	1K 1/16W	[M]
R2221	ERJ3GEYJ273V	27K 1/16W	[M]
R2222	ERJ3GEYJ683V	68K 1/16W	[M]
R2223	ERJ3GEYJ473V	47K 1/16W	[M]
R2224	ERJ3GEYJ123V	12K 1/16W	[M]
R2226	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2227	ERJ3GEYJ153V	15K 1/16W	[M]
R2228	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2229	ERJ3GEYJ101V	100 1/16W	[M]
R2230	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2231	ERJ3GEYJ333V	33K 1/16W	[M]
R2232	ERJ3GEYJ471V	470 1/16W	[M]
R2233	ERJ3GEY0R00V	0 1/16W	[M]
R2235	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2236	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2237	ERJ3GEYJ101V	100 1/16W	[M]
R2238	ERJ3GEYJ333V	33K 1/16W	[M]
R2239	ERJ3GEYJ123V	12K 1/16W	[M]
R2253	ERJ3GEYJ334V	330K 1/16W	[M]
R2254	ERJ3GEYJ123V	12K 1/16W	[M]
R2300	ERJ3GEYJ123V	12K 1/16W	[M]
R2301	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2302	ERJ3GEYJ103V	10K 1/16W	[M]
R2303	ERJ3GEYJ222V	2.2K 1/16W	[M]
R2304	ERJ3GEYJ473V	47K 1/16W	[M]
R2305	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2306	ERJ3GEYJ182V	1.8K 1/16W	[M]
R2307	ERJ3GEYJ563V	56K 1/16W	[M]
R2310	ERJ3GEYJ271V	270 1/16W	[M]
R2400	ERJ3GEYJ123V	12K 1/16W	[M]
R2401	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2404	ERJ3GEYJ473V	47K 1/16W	[M]
R2405	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2406	ERJ3GEYJ182V	1.8K 1/16W	[M]
R2407	ERJ3GEYJ563V	56K 1/16W	[M]
R2410	ERJ3GEYJ271V	270 1/16W	[M]
R2453	ERJ3GEYJ101V	100 1/16W	[M]
R2454	ERJ3GEYJ104V	100K 1/16W	[M]
R2455	ERJ3GEYJ102V	1K 1/16W	[M]
R2456	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2457	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2459	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2460	ERJ3GEYJ225V	2.2M 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2500	ERJ3GEYJ123V	12K 1/16W	[M]
R2501	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2502	ERJ3GEYJ103V	10K 1/16W	[M]
R2503	ERJ3GEYJ102V	1K 1/16W	[M]
R2504	ERJ3GEYJ333V	33K 1/16W	[M]
R2505	ERJ3GEYJ103V	10K 1/16W	[M]
R2506	ERJ3GEYJ271V	270 1/16W	[M]
R2507	ERJ3GEYJ102V	1K 1/16W	[M]
R2508	ERJ3GEYJ563V	56K 1/16W	[M]
R2509	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2510	ERJ3GEYJ183V	18K 1/16W	[M]
R2511	ERJ3GEYJ102V	1K 1/16W	[M]
R2553	ERJ3GEYJ101V	100 1/16W	[M]
R2558	ERJ3GEYJ473V	47K 1/16W	[M]
R2567	ERJ3GEYJ393V	39K 1/16W	[M]
R2568	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2569	ERJ3GEYJ153V	15K 1/16W	[M]
R2580	ERDS1FVJ100T	10 1/2W	[M]
R2581	ERJ3GEYJ122V	1.2K 1/16W	[M]
R2582	ERJ3GEYJ104V	100K 1/16W	[M]
R2583	ERJ3GEYJ224V	220K 1/16W	[M]
R2584	ERJ3GEYJ101V	100 1/16W	[M]
R2585	ERJ3GEYJ124V	120K 1/16W	[M]
R2586	ERJ3GEYJ103V	10K 1/16W	[M]
R2587	ERJ3GEYJ225V	2.2M 1/16W	[M]
R2588	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2589	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2590	ERJ3GEY0R00V	0 1/16W	[M]
R2591	ERJ3GEYJ102V	1K 1/16W	[M]
R2592	ERJ3GEYJ104V	100K 1/16W	[M]
R2593	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2594	ERDS1FVJ100T	10 1/2W	[M]
R2595	ERJ3GEYJ104V	100K 1/16W	[M]
R2596	ERJ3GEYJ122V	1.2K 1/16W	[M]
R2597	ERJ3GEYJ224V	220K 1/16W	[M]
R2598	ERJ3GEYJ103V	10K 1/16W	[M]
R2599	ERJ3GEYJ124V	120K 1/16W	[M]
R2600	ERJ3GEYJ103V	10K 1/16W	[M]
R2601	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2602	ERJ3GEYJ103V	10K 1/16W	[M]
R2603	ERJ3GEYJ103V	10K 1/16W	[M]
R2604	ERJ3GEYJ333V	33K 1/16W	[M]
R2605	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2606	ERJ3GEYJ103V	10K 1/16W	[M]
R2607	ERJ3GEYJ392V	3.9K 1/16W	[M]
R2608	ERJ3GEYJ153V	15K 1/16W	[M]
R2609	ERJ3GEYJ224V	220K 1/16W	[M]
R2610	ERJ3GEYJ272V	2.7K 1/16W	[M]
R2611	ERJ3GEYJ104V	100K 1/16W	[M]
R2612	ERJ3GEYJ822V	8.2K 1/16W	[M]
R2613	ERJ3GEYJ683V	68K 1/16W	[M]
R2614	ERJ3GEYJ683V	68K 1/16W	[M]
R2615	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2616	ERJ3GEYJ563V	56K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2618	ERJ3GEYJ102V	1K 1/16W	[M]
R2619	ERJ3GEYJ563V	56K 1/16W	[M]
R2620	ERJ3GEYJ563V	56K 1/16W	[M]
R2621	ERJ3GEYJ223V	22K 1/16W	[M]
R2622	ERJ3GEYJ392V	3.9K 1/16W	[M]
R2623	ERJ3GEYJ273V	27K 1/16W	[M]
R2624	ERJ3GEYJ561V	560 1/16W	[M]
R2626	ERJ3GEYJ102V	1K 1/16W	[M]
R2627	ERJ3GEYJ471V	470 1/16W	[M]
R2628	ERJ3GEYJ820V	82 1/16W	[M]
R2629	ERJ3GEYJ273V	27K 1/16W	[M]
R2630	ERJ3GEYJ103V	10K 1/16W	[M]
R2631	ERJ3GEYJ121V	120 1/16W	[M]
R2632	ERJ3GEYJ103V	10K 1/16W	[M]
R2633	ERJ3GEYJ102V	1K 1/16W	[M]
R2634	ERJ3GEYJ471V	470 1/16W	[M]
R2635	ERJ3GEYJ102V	1K 1/16W	[M]
R2636	ERJ3GEYJ102V	1K 1/16W	[M]
R2637	ERJ3GEYJ102V	1K 1/16W	[M]
R2638	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2641	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2642	ERJ3GEYJ682V	6.8K 1/16W	[M]
R2643	ERJ3GEYJ223V	22K 1/16W	[M]
R2644	ERJ3GEYJ121V	120 1/16W	[M]
R2645	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2646	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2651	ERJ3GEYJ820V	82 1/16W	[M]
R2652	ERJ3GEY0R00V	0 1/16W	[M]
R2658	ERJ3GEYJ102V	1K 1/16W	[M]
R2661	ERJ3GEYJ103V	10K 1/16W	[M]
R2662	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2667	ERJ3GEYJ223V	22K 1/16W	[M]
R2670	ERJ3GEYJ223V	22K 1/16W	[M]
R2672	ERJ3GEYJ101V	100 1/16W	[M]
R2673	ERJ3GEYJ102V	1K 1/16W	[M]
R2675	ERJ3GEYJ103V	10K 1/16W	[M]
R2678	ERJ3GEYJ103V	10K 1/16W	[M]
R2683	ERJ3GEYJ104V	100K 1/16W	[M]
R2685	ERJ3GEYJ104V	100K 1/16W	[M]
R2688	ERJ3GEYJ103V	10K 1/16W	[M]
R2691	ERJ3GEYJ102V	1K 1/16W	[M]
R2692	ERJ3GEYJ103V	10K 1/16W	[M]
R2693	ERJ3GEYJ103V	10K 1/16W	[M]
R2702	ERJ3GEY0R00V	0 1/16W	[M]
R2708	ERJ3GEYJ101V	100 1/16W	[M]
R2713	ERJ3GEY0R00V	0 1/16W	[M]
R2723	ERJ3GEYJ103V	10K 1/16W	[M]GS
R2723	ERJ3GEYJ223V	22K 1/16W	[M]GCP
R2723	ERJ3GEYJ332V	3.3K 1/16W	[M]GCS
R2726	ERJ3GEYJ101V	100 1/16W	[M]
R2728	ERJ3GEYJ223V	22K 1/16W	[M]
R2729	ERJ3GEYJ223V	22K 1/16W	[M]
R2730	ERJ3GEYJ102V	1K 1/16W	[M]
R2731	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2732	ERJ3GEYJ102V	1K 1/16W	[M]
R2733	ERJ3GEYJ102V	1K 1/16W	[M]
R2734	ERJ3GEYJ102V	1K 1/16W	[M]
R2735	ERJ3GEYJ103V	10K 1/16W	[M]
R2736	ERJ3GEYJ102V	1K 1/16W	[M]
R2737	ERJ3GEYJ102V	1K 1/16W	[M]
R2738	ERJ3GEYJ102V	1K 1/16W	[M]
R2739	ERJ3GEYJ102V	1K 1/16W	[M]
R2740	ERJ3GEYJ102V	1K 1/16W	[M]
R2741	ERJ3GEYJ102V	1K 1/16W	[M]
R2742	ERJ3GEYJ102V	1K 1/16W	[M]
R2743	ERJ3GEYJ102V	1K 1/16W	[M]
R2744	ERJ3GEYJ102V	1K 1/16W	[M]
R2745	ERJ3GEYJ223V	22K 1/16W	[M]
R2746	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2747	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2748	ERJ3GEYJ103V	10K 1/16W	[M]
R2749	ERJ3GEYJ102V	1K 1/16W	[M]
R2750	ERJ3GEYJ102V	1K 1/16W	[M]
R2751	ERJ3GEYJ102V	1K 1/16W	[M]
R2752	ERJ3GEYJ101V	100 1/16W	[M]
R2753	ERJ3GEYJ101V	100 1/16W	[M]
R2754	ERJ3GEYJ101V	100 1/16W	[M]
R2755	ERJ3GEYJ101V	100 1/16W	[M]
R2756	ERJ3GEYJ101V	100 1/16W	[M]
R2758	ERJ3GEYJ102V	1K 1/16W	[M]
R2759	ERJ3GEYJ102V	1K 1/16W	[M]
R2760	ERJ3GEYJ102V	1K 1/16W	[M]
R2761	ERJ3GEYJ102V	1K 1/16W	[M]
R2762	ERJ3GEYJ223V	22K 1/16W	[M]
R2774	ERJ3GEYJ102V	1K 1/16W	[M]
R2775	ERJ3GEYJ102V	1K 1/16W	[M]
R2776	ERJ3GEYJ102V	1K 1/16W	[M]
R2777	ERJ3GEYJ101V	100 1/16W	[M]
R2778	ERJ3GEYJ101V	100 1/16W	[M]
R2779	ERJ3GEYJ101V	100 1/16W	[M]
R2780	ERJ3GEYJ101V	100 1/16W	[M]
R2781	ERJ3GEYJ102V	1K 1/16W	[M]
R2782	ERJ3GEYJ102V	1K 1/16W	[M]
R2783	ERJ3GEYJ102V	1K 1/16W	[M]
R2784	ERJ3GEYJ101V	100 1/16W	[M]
R2785	ERJ3GEYJ101V	100 1/16W	[M]
R2786	ERJ3GEYJ102V	1K 1/16W	[M]
R2788	ERJ3GEYJ104V	100K 1/16W	[M]
R2789	ERJ3GEYJ101V	100 1/16W	[M]
R2790	ERJ3GEYJ102V	1K 1/16W	[M]
R2791	ERJ3GEYJ102V	1K 1/16W	[M]
R2792	ERJ3GEYJ102V	1K 1/16W	[M]
R2793	ERJ3GEYJ101V	100 1/16W	[M]
R2794	ERJ3GEYJ101V	100 1/16W	[M]
R2796	ERJ3GEYJ101V	100 1/16W	[M]
R2797	ERJ3GEYJ101V	100 1/16W	[M]
R2798	ERJ3GEYJ101V	100 1/16W	[M]
R2803	ERJ3GEYJ104V	100K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2807	ERJ3GEYJ104V	100K 1/16W	[M]
R2810	ERJ3GEYJ103V	10K 1/16W	[M]
R2814	ERJ3GEYJ471V	470 1/16W	[M]
R2816	ERJ3GEYJ750V	75 1/16W	[M]
R2817	ERJ3GEY0R00V	0 1/16W	[M]
R2818	ERJ3GEYJ561V	560 1/16W	[M]
R2820	ERJ3GEYJ222V	2.2K 1/16W	[M]
R2822	ERJ3GEYJ750V	75 1/16W	[M]
R2823	ERJ3GEYJ750V	75 1/16W	[M]
R2824	ERJ3GEYJ750V	75 1/16W	[M]
R2825	ERJ3GEYJ750V	75 1/16W	[M]
R2826	ERJ3GEYJ750V	75 1/16W	[M]
R2827	ERJ3GEY0R00V	0 1/16W	[M]
R2828	ERJ3GEY0R00V	0 1/16W	[M]
R2829	ERJ3GEYJ102V	1K 1/16W	[M]
R2830	ERJ3GEYJ104V	100K 1/16W	[M]
R2831	ERJ3GEYJ104V	100K 1/16W	[M]
R2832	ERJ3GEYJ104V	100K 1/16W	[M]
R2834	ERJ3GEYJ104V	100K 1/16W	[M]
R2838	ERJ3GEYJ102V	1K 1/16W	[M]
R2839	ERJ3GEYJ102V	1K 1/16W	[M]
R2840	ERJ3GEYJ221V	220 1/16W	[M]
R2841	ERJ3GEYJ102V	1K 1/16W	[M]
R2842	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2846	ERJ3GEYJ563V	56K 1/16W	[M]
R2847	ERJ3GEYJ103V	10K 1/16W	[M]
R2848	ERJ3GEYJ102V	1K 1/16W	[M]
R2849	ERJ3GEYJ102V	1K 1/16W	[M]
R2850	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2851	ERJ3GEYJ102V	1K 1/16W	[M]
R2852	ERJ3GEYJ563V	56K 1/16W	[M]
R2853	ERJ3GEYJ563V	56K 1/16W	[M]
R2854	ERJ3GEYJ563V	56K 1/16W	[M]
R2855	ERJ3GEYJ563V	56K 1/16W	[M]
R2856	ERJ3GEYJ563V	56K 1/16W	[M]
R2857	ERJ3GEYJ563V	56K 1/16W	[M]
R2859	ERJ3GEY0R00V	0 1/16W	[M]
R2860	ERJ3GEYJ222V	2.2K 1/16W	[M]
R2862	ERJ3GEY0R00V	0 1/16W	[M]
R2863	ERJ3GEY0R00V	0 1/16W	[M]
R2864	ERJ3GEY0R00V	0 1/16W	[M]
R2899	ERJ3GEY0R00V	0 1/16W	[M]
R2910	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2911	ERJ3GEYJ473V	47K 1/16W	[M]
R2912	ERJ3GEYJ473V	47K 1/16W	[M]
R2913	ERJ3GEYJ103V	10K 1/16W	[M]
R2914	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2916	ERJ3GEYJ681V	680 1/16W	[M]
R2917	ERJ3GEYJ106V	10M 1/16W	[M]
R2918	ERJ3GEYJ331V	330 1/16W	[M]
R2920	ERJ3GEYJ103V	10K 1/16W	[M]
R2921	ERJ3GEYJ332V	3.3K 1/16W	[M]
R2922	ERJ3GEYJ223V	22K 1/16W	[M]
R2923	ERJ3GEYJ222V	2.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2924	ERJ3GEYJ104V	100K 1/16W	[M]
R2926	ERJ3GEYJ101V	100 1/16W	[M]
R2935	ERJ3GEYJ153V	15K 1/16W	[M]
R2938	ERJ3GEYJ392V	3.9K 1/16W	[M]
R2939	ERJ3GEYJ562V	5.6K 1/16W	[M]
R2940	ERJ3GEYJ123V	12K 1/16W	[M]
R2941	ERJ3GEYJ103V	10K 1/16W	[M]
R2942	ERJ3GEYJ472V	4.7K 1/16W	[M]
R2943	ERJ3GEYJ103V	10K 1/16W	[M]
R2944	ERJ3GEYJ153V	15K 1/16W	[M]
R2945	ERJ3GEY0R00V	0 1/16W	[M]
R2946	ERJ3GEYJ123V	12K 1/16W	[M]
R2947	ERJ3GEYJ100V	10 1/16W	[M]
R2948	ERJ3GEY0R00V	0 1/16W	[M]
R2949	ERJ3GEYJ103V	10K 1/16W	[M]
R2951	ERJ3GEYJ103V	10K 1/16W	[M]
R2952	ERDS1FVJ680T	68 1/2W	[M]
R2955	ERJ3GEYJ221V	220 1/16W	[M]
R2956	ERJ3GEYJ221V	220 1/16W	[M]
R2957	ERJ3GEYJ681V	680 1/16W	[M]
R2958	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R2959	ERJ3GEYJ2R2V	2.2 1/16W	[M]
R2969	ERDS1FVJ680T	68 1/2W	[M]
R2978	ERJ3GEY0R00V	0 1/16W	[M]
R2979	ERJ3GEY0R00V	0 1/16W	[M]
R2980	ERJ3GEY0R00V	0 1/16W	[M]
R2981	ERJ3GEY0R00V	0 1/16W	[M]
R2982	ERJ3GEY0R00V	0 1/16W	[M]
R2983	ERJ3GEY0R00V	0 1/16W	[M]
R2984	ERJ3GEY0R00V	0 1/16W	[M]
R2985	ERJ3GEY0R00V	0 1/16W	[M]
R2986	ERJ3GEY0R00V	0 1/16W	[M]
R2987	ERJ3GEY0R00V	0 1/16W	[M]
R2988	ERJ3GEYJ102V	1K 1/16W	[M]
R2990	ERJ3GEYJ103V	10K 1/16W	[M]
R2998	ERJ3GEY0R00V	0 1/16W	[M]
R2999	ERJ3GEY0R00V	0 1/16W	[M]
R3601	ERJ3GEY0R00V	0 1/16W	[M]
R3602	ERJ3GEYJ472V	4.7K 1/16W	[M]
R3603	ERJ3GEYJ271V	270 1/16W	[M]
R3604	ERJ3GEYJ102V	1K 1/16W	[M]
R3605	ERJ3GEYJ471V	470 1/16W	[M]
R3606	ERJ3GEYJ474V	470K 1/16W	[M]
R3607	ERJ3GEYJ331V	330 1/16W	[M]
R3610	ERJ3GEYJ102V	1K 1/16W	[M]
R3611	ERJ3GEYJ391V	390 1/16W	[M]
R3612	ERJ3GEYJ104V	100K 1/16W	[M]
R3613	ERJ3GEYJ103V	10K 1/16W	[M]
R3614	ERJ3GEYJ562V	5.6K 1/16W	[M]
R3615	ERJ3GEYJ561V	560 1/16W	[M]
R3616	ERJ3GEYJ102V	1K 1/16W	[M]
R3617	ERJ3GEYJ473V	47K 1/16W	[M]
R3618	ERJ3GEYJ332V	3.3K 1/16W	[M]
R3619	ERJ3GEYJ332V	3.3K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3620	ERJ3GEYJ473V	47K 1/16W	[M]
R3622	ERJ3GEYJ272V	2.7K 1/16W	[M]
R3623	ERJ3GEYJ683V	68K 1/16W	[M]
R3624	ERJ3GEYJ330V	33 1/16W	[M]
R3625	ERJ3GEYJ471V	470 1/16W	[M]
R3626	ERJ3GEYJ102V	1K 1/16W	[M]
R3627	ERJ3GEYJ102V	1K 1/16W	[M]
R3628	ERJ3GEYJ563V	56K 1/16W	[M]
R3629	ERJ3GEYJ563V	56K 1/16W	[M]
R3630	ERJ3GEYJ332V	3.3K 1/16W	[M]
R3631	ERJ3GEYJ332V	3.3K 1/16W	[M]
R3633	ERJ3GEYJ103V	10K 1/16W	[M]
R3634	ERJ3GEYJ103V	10K 1/16W	[M]
R3637	ERJ3GEY0R00V	0 1/16W	[M]
R3638	ERJ3GEY0R00V	0 1/16W	[M]
R3639	ERJ3GEY0R00V	0 1/16W	[M]
R3640	ERJ3GEY0R00V	0 1/16W	[M]
R3641	ERJ3GEY0R00V	0 1/16W	[M]
R3642	ERJ3GEY0R00V	0 1/16W	[M]
R3644	ERJ3GEY0R00V	0 1/16W	[M]
R5100	ERJ3GEYJ153V	15K 1/16W	[M]
R5101	ERJ3GEYJ182V	1.8K 1/16W	[M]
R5102	ERJ3GEYJ563V	56K 1/16W	[M]
R5103	ERJ3GEYJ103V	10K 1/16W	[M]
R5104	ERJ3GEYJ224V	220K 1/16W	[M]
R5105	ERDS1FVJ100T	10 1/2W	[M]
R5106	ERJ3GEYJ562V	5.6K 1/16W	[M]
R5107	ERJ3GEYJ122V	1.2K 1/16W	[M]
R5108	ERJ3GEYJ153V	15K 1/16W	[M]
R5200	ERJ3GEYJ153V	15K 1/16W	[M]
R5201	ERJ3GEYJ182V	1.8K 1/16W	[M]
R5202	ERJ3GEYJ563V	56K 1/16W	[M]
R5203	ERJ3GEYJ103V	10K 1/16W	[M]
R5204	ERJ3GEYJ224V	220K 1/16W	[M]
R5205	ERDS1FVJ100T	10 1/2W	[M]
R5206	ERJ3GEYJ562V	5.6K 1/16W	[M]
R5207	ERJ3GEYJ122V	1.2K 1/16W	[M]
R5300	ERJ3GEYJ153V	15K 1/16W	[M]
R5301	ERJ3GEYJ682V	6.8K 1/16W	[M]
R5302	ERJ3GEYJ563V	56K 1/16W	[M]
R5303	ERDS1FVJ100T	10 1/2W	[M]
R5400	ERJ3GEYJ153V	15K 1/16W	[M]
R5401	ERJ3GEYJ682V	6.8K 1/16W	[M]
R5402	ERJ3GEYJ563V	56K 1/16W	[M]
R5403	ERDS1FVJ100T	10 1/2W	[M]
R5404	ERDS1FVJ100T	10 1/2W	[M]
R5405	ERDS1FVJ100T	10 1/2W	[M]
R5406	ERDS1FVJ100T	10 1/2W	[M]
R5500	ERJ3GEYJ153V	15K 1/16W	[M]
R5501	ERJ3GEYJ822V	8.2K 1/16W	[M]
R5502	ERJ3GEYJ563V	56K 1/16W	[M]
R5503	ERDS1FVJ100T	10 1/2W	[M]
R5504	ERJ3GEYJ104V	100K 1/16W	[M]
R5505	ERJ3GEYJ223V	22K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R5507	ERJ3GEY0R00V	0 1/16W	[M]
R5606	ERDS1FVJ100T	10 1/2W	[M]
R5610	ERJ3GEYJ103V	10K 1/16W	[M]
R5611	ERJ3GEYJ224V	220K 1/16W	[M]
R5707	ERJ3GEYJ563V	56K 1/16W	[M]
R5708	ERJ3GEYJ182V	1.8K 1/16W	[M]
R5709	ERJ3GEYJ153V	15K 1/16W	[M]
R5809	ERDS1FVJ331T	330 1/2W	[M]
R5810	ERJ3GEYJ272V	2.7K 1/16W	[M]
R5811	ERJ3GEYJ471V	470 1/16W	[M]
R5812	ERJ3GEYJ272V	2.7K 1/16W	[M]
R5813	ERJ3GEYJ332V	3.3K 1/16W	[M]
R5814	ERJ3GEYJ332V	3.3K 1/16W	[M]
R5815	ERJ3GEYJ104V	100K 1/16W	[M]
R5816	ERJ3GEYJ104V	100K 1/16W	[M]
R5817	ERJ3GEYJ223V	22K 1/16W	[M]
R5819	ERJ3GEYJ334V	330K 1/16W	[M]
R5820	ERDS1FVJ331T	330 1/2W	[M]
R5821	ERDS1FVJ122T	1.2K 1/2W	[M]
R5822	ERDS1FVJ331T	330 1/2W	[M]
R5823	ERJ3GEYJ101V	100 1/16W	[M]
R5824	ERDS1FVJ2R2T	2.2 1/2W	[M]
R5825	ERDS1FVJ2R2T	2.2 1/2W	[M]
R5826	ERDS1FVJ2R2T	2.2 1/2W	[M]
R5827	ERDS1FVJ2R2T	2.2 1/2W	[M]
R5828	ERJ3GEYJ103V	10K 1/16W	[M]
R5829	ERDS1FVJ331T	330 1/2W	[M]
R5830	ERDS1FVJ122T	1.2K 1/2W	[M]
R5831	ERJ3GEYJ182V	1.8K 1/16W	[M]
R5832	ERJ3GEYJ151V	150 1/16W	[M]
R5835	ERJ3GEYJ152V	1.5K 1/16W	[M]
R5847	ERDS1FVJ4R7T	4.7 1/2W	[M]
R5849	ERJ3GEYJ102V	1K 1/16W	[M]
R5866	ERJ3GEYJ683V	68K 1/16W	[M]
R5889	ERJ3GEYJ473V	47K 1/16W	[M]
R5890	ERJ3GEYJ473V	47K 1/16W	[M]
R5891	ERJ3GEYJ151V	150 1/16W	[M]
R5892	ERJ3GEYJ151V	150 1/16W	[M]
R5898	ERJ3GEYJ683V	68K 1/16W	[M]
R5902	ERJ3GEYJ101V	100 1/16W	[M]
R5903	ERJ3GEY0R00V	0 1/16W	[M]
R5906	ERDS1FVJ270T	27 1/2W	[M]
R6800	ERJ3GEYJ270V	27 1/16W	[M]
R6801	ERJ3GEYJ270V	27 1/16W	[M]
R6802	ERJ3GEYJ270V	27 1/16W	[M]
R6803	ERJ3GEYJ270V	27 1/16W	[M]
R6804	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6805	ERJ3GEYJ100V	10 1/16W	[M]
R6806	ERJ3GEYJ102V	1K 1/16W	[M]
R6807	ERJ3GEYJ270V	27 1/16W	[M]
R6808	ERJ3GEYJ270V	27 1/16W	[M]
R6809	ERJ3GEYJ270V	27 1/16W	[M]
R6810	ERJ3GEYJ270V	27 1/16W	[M]
R6811	ERJ3GEYJ472V	4.7K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6812	ERJ3GEYJ100V	10 1/16W	[M]
R6813	ERJ3GEYJ102V	1K 1/16W	[M]
R6814	ERJ3GEY0R00V	0 1/16W	[M]
R6815	ERJ3GEYJ563V	56K 1/16W	[M]
R6816	ERJ3GEYJ563V	56K 1/16W	[M]
R6819	ERJ3GEY0R00V	0 1/16W	[M]
R6820	ERJ3GEYJ104V	100K 1/16W	[M]
R6821	ERJ3GEYJ104V	100K 1/16W	[M]
R6822	ERJ3GEYJ103V	10K 1/16W	[M]
R6823	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R6824	ERJ3GEYJ223V	22K 1/16W	[M]
R6825	ERJ3GEYJ102V	1K 1/16W	[M]
R6826	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R6827	ERJ3GEYJ102V	1K 1/16W	[M]
R6828	ERJ3GEYJ223V	22K 1/16W	[M]
R6829	ERJ3GEYJ272V	2.7K 1/16W	[M]
R6830	ERJ3GEY0R00V	0 1/16W	[M]
R6837	ERJ3GEYJ103V	10K 1/16W	[M]
R6854	ERJ3GEYJ102V	1K 1/16W	[M]
R6855	ERJ3GEYJ102V	1K 1/16W	[M]
R6856	ERJ3GEYJ122V	1.2K 1/16W	[M]
R6857	ERJ3GEYJ182V	1.8K 1/16W	[M]
R6858	ERJ3GEYJ222V	2.2K 1/16W	[M]
R6859	ERJ3GEYJ272V	2.7K 1/16W	[M]
R6860	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6861	ERJ3GEYJ682V	6.8K 1/16W	[M]
R6862	ERJ3GEYJ103V	10K 1/16W	[M]
R6864	ERJ3GEYJ473V	47K 1/16W	[M]
R6865	ERJ3GEYJ473V	47K 1/16W	[M]
R6869	ERJ3GEYJ392V	3.9K 1/16W	[M]
R6885	ERJ3GEYJ103V	10K 1/16W	[M]
R6886	ERJ3GEYJ222V	2.2K 1/16W	[M]
R6887	ERJ3GEYJ474V	470K 1/16W	[M]
R6888	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6889	ERJ3GEYJ183V	18K 1/16W	[M]
R6890	ERJ3GEYJ681V	680 1/16W	[M]
R6891	ERJ3GEYJ681V	680 1/16W	[M]
R6892	ERJ3GEYJ561V	560 1/16W	[M]
R6893	ERJ3GEYJ181V	180 1/16W	[M]
R6894	ERJ3GEYJ181V	180 1/16W	[M]
R6937	ERJ3GEYJ102V	1K 1/16W	[M]
R6938	ERJ3GEYJ102V	1K 1/16W	[M]
R6939	ERJ3GEYJ122V	1.2K 1/16W	[M]
R6940	ERJ3GEYJ182V	1.8K 1/16W	[M]
R6941	ERJ3GEYJ222V	2.2K 1/16W	[M]
R6942	ERJ3GEYJ272V	2.7K 1/16W	[M]
R6943	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6944	ERJ3GEYJ682V	6.8K 1/16W	[M]
R6950	ERJ3GEYJ103V	10K 1/16W	[M]
R6954	ERJ3GEYJ474V	470K 1/16W	[M]
R6956	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6957	ERJ3GEYJ474V	470K 1/16W	[M]
R6959	ERD2FCVG470T	47 1/4W	[M]
R6960	ERD2FCVG470T	47 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R6961	ERJ3GEYJ103V	10K 1/16W	[M]
R6962	ERJ3GEYJ103V	10K 1/16W	[M]
R6963	ERJ3GEYJ102V	1K 1/16W	[M]
R6964	ERJ3GEYJ102V	1K 1/16W	[M]
R6965	ERJ3GEYJ122V	1.2K 1/16W	[M]
R6966	ERJ3GEYJ182V	1.8K 1/16W	[M]
R6967	ERJ3GEYJ222V	2.2K 1/16W	[M]
R6968	ERJ3GEYJ272V	2.7K 1/16W	[M]
R6969	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6970	ERJ3GEYJ682V	6.8K 1/16W	[M]
R6981	ERJ3GEYJ334V	330K 1/16W	[M]
R6982	ERJ3GEYJ680V	68 1/16W	[M]
R6983	ERJ3GEYJ822V	8.2K 1/16W	[M]
R6987	ERJ3GEYJ334V	330K 1/16W	[M]
R6988	ERJ3GEYJ271V	270 1/16W	[M]
R6989	ERJ3GEYJ271V	270 1/16W	[M]
R6990	ERJ3GEYJ271V	270 1/16W	[M]
R6991	ERJ3GEYJ331V	330 1/16W	[M]
R6992	ERJ3GEYJ101V	100 1/16W	[M]
R6993	ERJ3GEYJ273V	27K 1/16W	[M]
R6994	ERJ3GEYJ472V	4.7K 1/16W	[M]
R6995	ERJ3GEYJ102V	1K 1/16W	[M]
R6996	ERJ3GEYJ270V	27 1/16W	[M]
R6997	ERJ3GEY0R00V	0 1/16W	[M]
R8011	ERJ2GEJ220X	22 2W	[M]
R8021	ERJ2GEJ103X	10K 2W	[M]
R8022	ERJ2GEJ103X	10K 2W	[M]
R8023	ERJ2GEJ473X	47K 2W	[M]
R8041	ERJ2GEJ330X	33 2W	[M]
R8111	ERJ2GEJ223X	22K 2W	[M]
R8112	ERJ2GEJ223X	22K 2W	[M]
R8201	ERJ2GEJ222X	2.2K 2W	[M]
R8231	ERJ2GEJ103X	10K 2W	[M]
R8233	ERJ2GEJ153X	15K 2W	[M]
R8235	ERJ2GEJ822X	8.2K 2W	[M]
R8236	ERJ2GEJ822X	8.2K 2W	[M]
R8241	ERJ2GEJ223X	22K 2W	[M]
R8242	ERJ2GEJ752X	7.5K 2W	[M]
R8243	ERJ2GEJ103X	10K 2W	[M]
R8251	ERJ6GEYJ6R8V	6.8 1/10W	[M]
R8261	ERJ2GEJ823X	82K 2W	[M]
R8262	ERJ2GEJ472X	4.7K 2W	[M]
R8263	ERJ2GEJ823X	82K 2W	[M]
R8264	ERJ2GEJ472X	4.7K 2W	[M]
R8265	ERJ2GE0R00X	0 2W	[M]
R8311	ERJ2RHD242X	2.4K 2W	[M]
R8312	ERJ2RHD102X	1K 2W	[M]
R8313	ERJ2RHD243X	24K 2W	[M]
R8314	ERJ2GE0R00X	0 2W	[M]
R8315	ERJ2GEJ6R8X	6.8 2W	[M]
R8321	ERJ3RBD161V	160 3W	[M]
R8322	ERJ2RKD100X	10 2W	[M]
R8325	ERJ3RBD161V	160 3W	[M]
R8326	ERJ2GE0R00X	0 2W	[M]GCP

Ref. No.	Part No.	Part Name & Description	Remarks
R8326	ERJ2GEJ100X	10 2W	[M]GCS/GS
R8331	ERJ3RBD161V	160 3W	[M]
R8332	ERJ2RKD100X	10 2W	[M]
R8335	ERJ3RED820V	82 3W	[M]
R8341	ERJ3RED820V	82 3W	[M]
R8401	ERJ2GEJ473X	47K 2W	[M]
R8402	ERJ2GEJ101X	100 2W	[M]
R8404	ERJ2GEJ101X	100 2W	[M]
R8407	ERJ2GEJ101X	100 2W	[M]
R8420	ERJ2GEJ222X	2.2K 2W	[M]
R8421	ERJ2GE0R00X	0 2W	[M]
R8501	ERJ2GE0R00X	0 2W	[M]
R8505	ERJ2GEJ222X	2.2K 2W	[M]
R8506	ERJ2GEJ152X	1.5K 2W	[M]
R8550	ERJ2GEJ752X	7.5K 2W	[M]
R8551	ERJ2GE0R00X	0 2W	[M]
R8552	ERJ2GEJ102X	1K 2W	[M]
R8553	ERJ2GEJ102X	1K 2W	[M]
R8554	ERJ2GEJ680X	68 2W	[M]
R8555	ERJ2GEJ2R2X	2.2 2W	[M]
R8556	ERJ3GEYJ560V	56 1/16W	[M]
R8557	ERJ3GEYJ510V	51 1/16W	[M]
R8558	ERJ2GEJ473X	47K 2W	[M]
R8559	ERJ2GEJ153X	15K 2W	[M]
R8560	ERJ2GEJ102X	1K 2W	[M]
R8561	ERJ2GE0R00X	0 2W	[M]
R8562	ERJ2GEJ102X	1K 2W	[M]
R8563	ERJ2GEJ102X	1K 2W	[M]
R8564	ERJ2GEJ220X	22 2W	[M]
R8565	ERJ2GEJ2R2X	2.2 2W	[M]
R8566	ERJ3GEYJ560V	56 1/16W	[M]
R8567	ERJ3GEYJ510V	51 1/16W	[M]
R8568	ERJ2GEJ473X	47K 2W	[M]
R8569	ERJ2GEJ123X	12K 2W	[M]
R8570	ERJ2GEJ104X	100K 2W	[M]
R8601	ERJ2GEJ102X	1K 2W	[M]
R8606	ERJ2GEJ104X	100K 2W	[M]
R8607	ERJ2GEJ103X	10K 2W	[M]
R8611	ERJ2GEJ101X	100 2W	[M]
R8621	ERJ2GEJ105X	1M 2W	[M]
R8622	ERJ2RHD102X	1K 2W	[M]
R9500	ERDS1FVJ100T	10 1/2W	[M]
R9501	ERDS1FVJ100T	10 1/2W	[M]
R9502	ERDS1FVJ100T	10 1/2W	[M]
R9503	ERDS2TJ824T	820K 1/4W	[M]
R9504	ERDS2TJ152T	1.5K 1/4W	[M]
R9505	ERDS2TJ122T	1.2K 1/4W	[M]
R9507	ERDS2TJ1R0T	1 1/4W	[M]
R9508	ERDS2TJ1R0T	1 1/4W	[M]
R9509	ERDS2TJ1R0T	1 1/4W	[M]
R9510	ERDS2TJ1R0T	1 1/4W	[M]
R9511	ERDS2TJ103T	10K 1/4W	[M]
R9512	ERDS2TJ392T	3.9K 1/4W	[M]
R9513	ERDS2TJ471T	470 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R9514	ERDS2TJ102T	1K 1/4W	[M]
R9515	ERDS2TJ102T	1K 1/4W	[M]
R9516	ERDS2TJ102T	1K 1/4W	[M]
R9517	ERDS2TJ223T	22K 1/4W	[M]
R9518	ERDS2TJ332T	3.3K 1/4W	[M]
R9519	ERDS2TJ151T	150 1/4W	[M]
R9520	ERDS2TJ472T	4.7K 1/4W	[M]
R9521	ERD2FCVJ4R7T	4.7 1/4W	[M]
R9522	ERDS2TJ1R0T	1 1/4W	[M]
R9523	ERDS1FVJ100T	10 1/2W	[M]
R9525	ERDS1FVJ100T	10 1/2W	[M]
R9528	ERDS1FVJ100T	10 1/2W	[M]
R9529	ERJ3GEY0R00V	0 1/16W	[M]
R9530	ERJ3GEY0R00V	0 1/16W	[M]
R9531	ERJ3GEY0R00V	0 1/16W	[M]
R9532	ERJ3GEY0R00V	0 1/16W	[M]
R9534	ERJ3GEY0R00V	0 1/16W	[M]
R9535	ERJ3GEY0R00V	0 1/16W	[M]
R9536	ERJ3GEY0R00V	0 1/16W	[M]
R9836	ERD2FCVJ4R7T	4.7 1/4W	[M]
RX8011	D1H88204A024	CHIP RESISTOR	[M]
RX8012	D1H88204A024	CHIP RESISTOR	[M]
RX8013	D1H88204A024	CHIP RESISTOR	[M]
RX8014	D1H88204A024	CHIP RESISTOR	[M]
RX8015	D1H422020001	CHIP RESISTOR	[M]
RX8016	D1H88204A024	CHIP RESISTOR	[M]
RX8017	D1H88204A024	CHIP RESISTOR	[M]
RX8018	D1H88204A024	CHIP RESISTOR	[M]
RX8021	D1H410320002	CHIP RESISTOR	[M]
RX8031	D1H447220001	CHIP RESISTOR	[M]
RX8032	D1H447220001	CHIP RESISTOR	[M]
RX8401	D1H410120001	CHIP RESISTOR	[M]
RX8402	D1H410120001	CHIP RESISTOR	[M]
RX8501	D1H456020001	CHIP RESISTOR	[M]
RX8502	D1H85604A024	CHIP RESISTOR	[M]
RX8503	D1H456020001	CHIP RESISTOR	[M]
RX8504	D1H456020001	CHIP RESISTOR	[M]
RX8611	D1H447220001	CHIP RESISTOR	[M]
K2905	ERJ3GEY0R00V	CHIP JUMPER	[M]
K2906	ERJ3GEY0R00V	CHIP JUMPER	[M]
K8001	ERJ2GE0R00X	CHIP JUMPER	[M]GCS
K8002	ERJ2GE0R00X	CHIP JUMPER	[M]GCP
K8003	ERJ2GE0R00X	CHIP JUMPER	[M]GCP
K8005	ERJ2GE0R00X	CHIP JUMPER	[M]GCS/GS
K8006	ERJ2GE0R00X	CHIP JUMPER	[M]GCS
K8007	ERJ2GE0R00X	CHIP JUMPER	[M]GCP
K8008	ERJ2GE0R00X	CHIP JUMPER	[M]GCP
K8010	ERJ2GE0R00X	CHIP JUMPER	[M]GCS/GS
K8031	ERJ2GE0R00X	CHIP JUMPER	[M]
K8106	ERJ3GEY0R00V	CHIP JUMPER	[M]
K8421	ERJ3GEY0R00V	CHIP JUMPER	[M]
K9801	ERDS2TJ1R0T	RESISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
K9802	ERDS2TJ1R0T	RESISTOR	[M]
		CAPACITORS	
C1	F1D1H5R6A017	5.6P 50V	[M]
C2	F1D1H102A029	1000P 50V	[M]
C3	F1D1H2R2A017	2.2P 50V	[M]
C4	F1D1H181A012	180P 50V	[M]
C5	F1D1H5R6A017	5.6P 50V	[M]
C6	F1D1H3R3A017	3.3P 50V	[M]
C7	F1D1H4R7A017	4.7P 50V	[M]
C8	F1D1H3R3A017	3.3P 50V	[M]
C9	F1D1H2R2A017	2.2P 50V	[M]
C10	F1D1H180A015	18P 50V	[M]
C11	F1D1E103A001	0.01 25V	[M]
C11	F1D1H102A029	1000P 50V	[M]
C12	F2A1C101A234	100 16V	[M]
C21	F1D1E103A001	0.01 25V	[M]
C22	F2A1C101A234	100 16V	[M]
C1002	ECEA1HKN2R2B	2.2 50V	[M]
C1006	ECEA1HKA010B	1 50V	[M]
C1007	F0A2A472A034	4700P 100V	[M]
C1008	ECEA1HKA010B	1 50V	[M]
C1009	ECEA1CKA470B	47 16V	[M]
C1010	ECA1EM101B	100 25V	[M]
C1011	ECQV1H473JZ3	0.047 50V	[M]
C1012	ECJ1VB1H102K	1000P 50V	[M]
C1013	ECJ1VB1H102K	1000P 50V	[M]
C1014	ECJ1VB1H102K	1000P 50V	[M]
C1015	ECJ1VB1H102K	1000P 50V	[M]
C1016	ECJ1VB1H222K	2200P 50V	[M]
C1017	ECJ1VB1H222K	2200P 50V	[M]
C1018	ECJ1VB1H332K	3300P 50V	[M]
C1019	ECJ1VB1H102K	1000P 50V	[M]
C1020	ECJ1VB1H471K	470P 50V	[M]
C1021	ECJ1VB1H471K	470P 50V	[M]
C1022	ECJ1VB1H102K	1000P 50V	[M]
C1023	ECJ1VB1H102K	1000P 50V	[M]
C1026	ECEA0JKA470B	47 6.3V	[M]
C1027	ECJ1VB1H102K	1000P 50V	[M]
C1030	ECEA1AKA101B	100 10V	[M]
C1031	ECA1AM101B	100 10V	[M]
C1032	F1C1C183A023	0.018 16V	[M]
C1033	F1C1C183A023	0.018 16V	[M]
C1034	ECEA1HKA3R3B	3.3 50V	[M]
C1035	ECEA1HKA3R3B	3.3 50V	[M]
C1036	ECJ1VB1C333K	0.033 16V	[M]
C1037	ECEA1HKA3R3B	3.3 50V	[M]
C1038	ECJ1VB1H221K	220P 50V	[M]
C1039	ECJ1VB1H221K	220P 50V	[M]
C1040	ECEA1CKA100B	10 16V	[M]
C1041	ECEA1CKA100B	10 16V	[M]
C1042	ECEA1CKA220B	22 16V	[M]
C1043	ECEA1HKA4R7B	4.7 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1044	ECEA1AKA330B	33 10V	[M]
C1045	ECEA1AKA220B	22 10V	[M]
C1046	ECA1CM221B	220 16V	[M]
C1049	ECJ1VB1H332K	3300P 50V	[M]
C1050	ECJ1VB1H332K	3300P 50V	[M]
C1056	ECEA1CKA100B	10 16V	[M]
C1057	ECJ1VB1H102K	1000P 50V	[M]
C1058	ECJ1VB1H102K	1000P 50V	[M]
C1059	ECJ1VB1H103K	0.01 50V	[M]
C2039	ECJ1VB1H103K	0.01 50V	[M]
C2046	F2A0J102A130	1000P 6.3V	[M]
C2047	F2A0J102A130	1000P 6.3V	[M]
C2048	ECEA1HKA100B	10 50V	[M]
C2049	ECA0JM221B	220 6.3V	[M]
C2050	ECEA1HKA220B	22 50V	[M]
C2100	ECEA1HKA010B	1 50V	[M]
C2101	ECJ1VB1H221K	220P 50V	[M]
C2102	ECEA1CKA100B	10 16V	[M]
C2103	ECEA1CKA100B	10 16V	[M]
C2104	ECEA1CKA100B	10 16V	[M]
C2105	ECEA1HKA330B	33 50V	[M]
C2106	ECJ1VC1H100D	10P 50V	[M]
C2107	ECJ1VB1C103K	0.01 16V	[M]
C2108	ECEA1HKA470B	47 50V	[M]
C2110	ECEA1HKA470B	47 50V	[M]
C2111	ECJ1VC1H102J	1000P 50V	[M]
C2112	ECEA1HKA010B	1 50V	[M]
C2113	ECJ1VB1A154K	0.15 10V	[M]
C2114	ECJ1VB1A105K	1 10V	[M]
C2115	ECJ1VF1C474Z	0.47 16V	[M]
C2116	ECUV1C224KBV	0.22 16V	[M]
C2117	ECUV1C224KBV	0.22 16V	[M]
C2118	ECJ1VB1H392K	3900P 50V	[M]
C2119	ECEA1HKA4R7B	4.7 50V	[M]
C2120	ECEA1HKA4R7B	4.7 50V	[M]
C2121	ECJ1VC1H101K	100P 50V	[M]
C2122	ECJ1VC1H470K	47P 50V	[M]
C2123	ECJ1VB1C333K	0.033 16V	[M]
C2124	ECJ1VB1C393K	0.039 16V	[M]
C2128	ECEA1HKA010B	1 50V	[M]
C2129	ECJ1VC1H330J	33P 50V	[M]
C2130	ECJ1VC1H101K	100P 50V	[M]
C2131	ECEA1HKA010B	1 50V	[M]
C2134	ECJ1VB1H102K	1000P 50V	[M]
C2136	ECJ1VC1H102J	1000P 50V	[M]
C2137	ECJ1VB1H223K	0.022 50V	[M]
C2138	ECEA1CKA100B	10 16V	[M]
C2139	ECJ1VB1H332K	3300P 50V	[M]
C2140	ECJ1VB1C823K	0.082 16V	[M]
C2141	ECEA1HKA100B	10 50V	[M]
C2200	ECEA1HKA010B	1 50V	[M]
C2201	ECJ1VB1H221K	220P 50V	[M]
C2202	ECEA1CKA100B	10 16V	[M]
C2203	ECEA1CKA100B	10 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2204	ECEA1CKA100B	10 16V	[M]
C2205	ECEA1HKA330B	33 50V	[M]
C2206	ECJ1VC1H100D	10P 50V	[M]
C2207	ECJ1VB1C103K	0.01 16V	[M]
C2208	ECEA1HKA470B	47 50V	[M]
C2210	ECEA1HKA470B	47 50V	[M]
C2211	ECJ1VC1H102J	1000P 50V	[M]
C2212	ECEA1HKA010B	1 50V	[M]
C2213	ECJ1VB1A154K	0.15 10V	[M]
C2214	ECJ1VB1A105K	1 10V	[M]
C2215	ECJ1VF1C474Z	0.47 16V	[M]
C2216	ECUV1C224KBV	0.22 16V	[M]
C2217	ECUV1C224KBV	0.22 16V	[M]
C2218	ECJ1VB1H392K	3900P 50V	[M]
C2219	ECEA1HKA4R7B	4.7 50V	[M]
C2220	ECEA1HKA4R7B	4.7 50V	[M]
C2221	ECJ1VC1H101K	100P 50V	[M]
C2222	ECJ1VC1H470K	47P 50V	[M]
C2223	ECJ1VB1C333K	0.033 16V	[M]
C2225	ECJ1VB1C393K	0.039 16V	[M]
C2228	ECEA1HKA010B	1 50V	[M]
C2229	ECJ1VC1H330J	33P 50V	[M]
C2230	ECJ1VC1H101K	100P 50V	[M]
C2231	ECEA1HKA010B	1 50V	[M]
C2234	ECJ1VB1H102K	1000P 50V	[M]
C2236	ECJ1VC1H102J	1000P 50V	[M]
C2237	ECJ1VB1H223K	0.022 50V	[M]
C2238	ECEA1CKA100B	10 16V	[M]
C2239	ECJ1VB1H332K	3300P 50V	[M]
C2240	ECEA1HKA100B	10 50V	[M]
C2304	ECJ1VC1H100D	10P 50V	[M]
C2306	ECEA1HKA2R2B	2.2 50V	[M]
C2310	ECEA1HKA010B	1 50V	[M]
C2311	ECEA1HKAR47B	0.47 50V	[M]
C2312	ECEA1CKA100B	10 16V	[M]
C2320	ECJ1VB1C104K	0.1 16V	[M]
C2332	ECJ1VB1A105K	1 10V	[M]
C2335	ECJ1VB1A105K	1 10V	[M]
C2400	ECEA1CKA100B	10 16V	[M]
C2404	ECJ1VC1H100D	10P 50V	[M]
C2406	ECEA1HKA2R2B	2.2 50V	[M]
C2410	ECEA1HKA010B	1 50V	[M]
C2411	ECEA1HKAR47B	0.47 50V	[M]
C2434	F2A0J102A130	1000P 6.3V	[M]
C2436	ECJ1VB1A105K	1 10V	[M]
C2437	ECJ1VB1A105K	1 10V	[M]
C2440	ECJ1VB1C104K	0.1 16V	[M]
C2441	ECJ1VB1H103K	0.01 50V	[M]
C2442	ECEA1HKA220B	22 50V	[M]
C2443	ECJ1VB1H103K	0.01 50V	[M]
C2444	ECEA1AKA221B	220 10V	[M]
C2500	ECEA1CKA100B	10 16V	[M]
C2502	ECEA1CKA100B	10 16V	[M]
C2509	ECEA1HKAR47B	0.47 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2515	ECEA1HKAR22B	0.22 50V	[M]
C2516	ECJ1VC1H100D	10P 50V	[M]
C2517	ECEA1HKAR47B	0.47 50V	[M]
C2522	ECJ1VB1C104K	0.1 16V	[M]
C2600	ECEA1HKA100B	10 50V	[M]
C2601	ECJ1VB1H103K	0.01 50V	[M]
C2602	ECEA1HKA010B	1 50V	[M]
C2603	ECEA1HKA3R3B	3.3 50V	[M]
C2604	ECJ1VB1H102K	1000P 50V	[M]
C2605	ECJ1VC1H101K	100P 50V	[M]
C2606	ECEA1HKA100B	10 50V	[M]
C2607	ECJ1VB1C104K	0.1 16V	[M]
C2608	ECEA1HKAR47B	0.47 50V	[M]
C2609	ECEA1HKA100B	10 50V	[M]
C2610	ECJ1VC1H102J	1000P 50V	[M]
C2612	ECJ1VB1H103K	0.01 50V	[M]
C2613	ECJ1VB1H102K	1000P 50V	[M]
C2614	ECEA1HKA3R3B	3.3 50V	[M]
C2615	ECEA1HKA4R7B	4.7 50V	[M]
C2616	ECJ1VB1C333K	0.033 16V	[M]
C2617	ECJ1VB1H103K	0.01 50V	[M]
C2618	ECJ1VB1H103K	0.01 50V	[M]
C2619	F0A2A681A010	680P 100V	[M]
C2620	ECEA1CKA100B	10 16V	[M]
C2621	ECEA1HKAR47B	0.47 50V	[M]
C2622	ECEA1HKA010B	1 50V	[M]
C2623	ECEA1HKA010B	1 50V	[M]
C2624	ECJ1VC1H101K	100P 50V	[M]
C2625	ECEA1CKA220B	22 16V	[M]
C2626	ECJ2VF1C105Z	1 16V	[M]
C2627	ECEA1CKA220B	22 16V	[M]
C2629	ECA0JM101B	100 6.3V	[M]
C2630	ECA0JM101B	100 6.3V	[M]
C2631	ECJ1VC1H151J	150P 50V	[M]
C2632	ECJ1VB1H102K	1000P 50V	[M]
C2633	ECJ1VC1H270J	27P 50V	[M]
C2634	ECJ1VC1H270J	27P 50V	[M]
C2636	ECJ1VB1H102K	1000P 50V	[M]
C2637	ECJ1VB1H332K	3300P 50V	[M]
C2638	ECJ1VB1H103K	0.01 50V	[M]
C2639	ECEA1HKA4R7B	4.7 50V	[M]
C2641	ECEA1HKA010B	1 50V	[M]
C2642	ECEA1HKA010B	1 50V	[M]
C2643	ECJ1VB1H682K	6800P 50V	[M]
C2644	ECJ1VB1H682K	6800P 50V	[M]
C2647	ECJ1VB1H102K	1000P 50V	[M]
C2648	ECJ1VB1H103K	0.01 50V	[M]
C2649	ECJ1VB1C104K	0.1 16V	[M]
C2650	ECJ1VB1A474K	0.47 10V	[M]
C2704	ECJ1VC1H101K	100P 50V	[M]
C2705	ECJ1VC1H101K	100P 50V	[M]
C2706	ECJ1VC1H101K	100P 50V	[M]
C2707	ECJ1VC1H101K	100P 50V	[M]
C2708	ECJ1VC1H101K	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2709	ECJ1VC1H101K	100P 50V	[M]
C2710	ECJ1VC1H101K	100P 50V	[M]
C2711	ECJ1VC1H101K	100P 50V	[M]
C2712	ECJ1VB1H102K	1000P 50V	[M]
C2713	ECJ1VB1H102K	1000P 50V	[M]
C2714	ECJ1VC1H101K	100P 50V	[M]
C2716	ECJ1VC1H101K	100P 50V	[M]
C2717	ECJ1VC1H101K	100P 50V	[M]
C2718	ECJ1VB1H471K	470P 50V	[M]
C2719	ECJ1VB1H103K	0.01 50V	[M]
C2720	ECJ1VB1H471K	470P 50V	[M]
C2721	ECJ1VB1H103K	0.01 50V	[M]
C2722	ECEA1AKA220B	22 10V	[M]
C2723	ECJ1VC1H101K	100P 50V	[M]
C2724	ECJ1VC1H101K	100P 50V	[M]
C2725	ECJ1VC1H101K	100P 50V	[M]
C2726	ECJ1VC1H101K	100P 50V	[M]
C2727	ECJ1VC1H101K	100P 50V	[M]
C2728	ECJ1VC1H101K	100P 50V	[M]
C2729	ECEA0JKA101B	100 6.3V	[M]
C2730	ECJ1VB1H104K	0.1 50V	[M]
C2731	ECEA1HKA0R1B	0.1 50V	[M]
C2732	ECJ1VB1H103K	0.01 50V	[M]
C2733	ECEA1HKA2R2B	2.2 50V	[M]
C2734	ECJ1VC1H390J	39P 50V	[M]
C2735	ECJ1VC1H390J	39P 50V	[M]
C2736	ECJ1VC1H150J	15P 50V	[M]
C2737	ECJ1VC1H150J	15P 50V	[M]
C2738	ECJ1VB1C223K	0.022 16V	[M]
C2739	ECJ1VC1H331J	330P 50V	[M]
C2740	ECJ1VC1H331J	330P 50V	[M]
C2741	ECEA1VKA4R7B	4.7 35V	[M]
C2742	ECJ1VB1H103K	0.01 50V	[M]
C2743	ECJ1VB1H102K	1000P 50V	[M]
C2744	ECJ1VB1H103K	0.01 50V	[M]
C2745	ECJ1VB1H103K	0.01 50V	[M]
C2746	ECJ1VB1H103K	0.01 50V	[M]
C2747	ECEA1HKA0R1B	0.1 50V	[M]
C2748	ECEA1HKA0R1B	0.1 50V	[M]
C2749	ECEA1HKA0R1B	0.1 50V	[M]
C2750	ECJ1VC1H101K	100P 50V	[M]
C2751	ECJ1VB1H471K	470P 50V	[M]
C2752	ECJ1VB1H102K	1000P 50V	[M]
C2754	ECJ1VB1H103K	0.01 50V	[M]
C2758	ECJ1VB1C104K	0.1 16V	[M]
C2759	ECJ1VB1H103K	0.01 50V	[M]
C2825	ECJ1VB1A105K	1 10V	[M]
C2826	ECJ1VB1A105K	1 10V	[M]
C2827	ECEA0JKA221B	220 6.3V	[M]
C2842	ECJ1VB1C104K	0.1 16V	[M]
C2843	ECJ1VB1C104K	0.1 16V	[M]
C2846	ECJ1VC1H101K	100P 50V	[M]
C2847	ECJ1VC1H101K	100P 50V	[M]
C2848	ECJ1VC1H101K	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2849	ECJ1VC1H101K	100P 50V	[M]
C2850	ECJ1VC1H101K	100P 50V	[M]
C2851	ECJ1VC1H101K	100P 50V	[M]
C2855	ECEA1HKN4R7B	4.7 50V	[M]
C2857	ECEA1CKA100B	10 16V	[M]
C2858	ECEA1CKA100B	10 16V	[M]
C2860	ECEA1HKA4R7B	4.7 50V	[M]
C2862	ECEA1HKA4R7B	4.7 50V	[M]
C2864	ECEA1HKA100B	10 50V	[M]
C2865	ECEA1HKA4R7B	4.7 50V	[M]
C2872	ECJ1VB1E103K	0.01 25V	[M]
C2873	ECJ1VB1E103K	0.01 25V	[M]
C2875	ECJ1VF1A105Z	1 10V	[M]
C2899	ECEA1HKA2R2B	2.2 50V	[M]
C2900	ECJ1VB1H472K	4700P 50V	[M]
C2901	ECJ1VB1H561K	560P 50V	[M]
C2902	ECJ1VB1H102K	1000P 50V	[M]
C2903	ECJ1VB1E103K	0.01 25V	[M]
C2904	ECJ1VB1H272K	2700P 50V	[M]
C2905	ECJ1VB1H102K	1000P 50V	[M]
C2907	ECJ1VB1H182K	1800P 50V	[M]
C2912	ECJ2VF1E473Z	0.047 25V	[M]
C2913	ECJ1VB1H104K	0.1 50V	[M]
C2914	ECJ1VB1A224K	0.22 10V	[M]
C2915	ECJ1VB1A224K	0.22 10V	[M]
C2916	ECEA1CKA101B	100 16V	[M]
C2917	ECJ1VB1C683K	0.068 16V	[M]
C2918	ECJ1VB1C683K	0.068 16V	[M]
C2919	ECJ1VB1C683K	0.068 16V	[M]
C2920	ECJ1VB1C683K	0.068 16V	[M]
C2921	ECEA1CKA470B	47 16V	[M]
C2922	ECEA1CKA101B	100 16V	[M]
C2923	ECJ1VB1H104K	0.1 50V	[M]
C2924	ECJ1VB1H104K	0.1 50V	[M]
C2925	ECJ1VB1H102K	1000P 50V	[M]
C2926	ECJ1VB1H472K	4700P 50V	[M]
C2927	ECJ1VB1C683K	0.068 16V	[M]
C2928	ECJ1VB1H104K	0.1 50V	[M]
C2929	ECJ1VB1H104K	0.1 50V	[M]
C2930	ECJ1VB1C683K	0.068 16V	[M]
C2931	ECJ1VB1H102K	1000P 50V	[M]
C2932	ECJ1VB1H472K	4700P 50V	[M]
C2933	ECEA1HKA010B	1 50V	[M]
C2934	ECEA1CKA101B	100 16V	[M]
C2935	ECJ1VB1H104K	0.1 50V	[M]
C2936	ECEA1HKA2R2B	2.2 50V	[M]
C2937	ECJ1VB1H332K	3300P 50V	[M]
C2938	ECJ2VB1C154K	0.15 16V	[M]
C2939	ECEA1HKA010B	1 50V	[M]
C2940	ECEA1HKA010B	1 50V	[M]
C2941	ECEA1HKA010B	1 50V	[M]
C2942	ECJ1VB1H102K	1000P 50V	[M]
C2943	ECJ1VB1H102K	1000P 50V	[M]
C2944	ECJ1VB1C103K	0.01 16V	[M]GCP/GS

Ref. No.	Part No.	Part Name & Description	Remarks
C2944	ECJ1VB1H682K	6800P 50V	[M]GCS
C2947	ECJ1VC1H102J	1000P 50V	[M]
C2948	ECJ1VC1H102J	1000P 50V	[M]
C2953	ECJ1VB1A224K	0.22 10V	[M]
C2954	ECEA1HKA100B	10 50V	[M]
C2961	ECJ1VC1H102J	1000P 50V	[M]
C2962	ECEA1CKA470B	47 16V	[M]
C2963	ECEA1CKA470B	47 16V	[M]
C2964	ECJ1VC1H101K	100P 50V	[M]
C2965	ECJ1VB1A224K	0.22 10V	[M]
C2968	ECJ1VB1A105K	1 10V	[M]
C2969	ECJ1VC1H100D	10P 50V	[M]
C2970	ECJ1VB1A224K	0.22 10V	[M]
C2973	ECA1CM101B	100 16V	[M]
C2974	F2A0J102A130	1000P 6.3V	[M]
C2975	F2A0J102A130	1000P 6.3V	[M]
C2977	ECJ1VB1H471K	470P 50V	[M]
C2978	ECJ1VC1H101K	100P 50V	[M]
C2979	ECEA1HKN4R7B	4.7 50V	[M]
C2981	ECJ1VB1H471K	470P 50V	[M]
C2982	ECJ1VB1H471K	470P 50V	[M]
C2983	ECJ1VB1H103K	0.01 50V	[M]
C2984	ECJ1VB1H103K	0.01 50V	[M]
C2985	ECEA1CKA101B	100 16V	[M]
C2986	ECA1CM100B	10 16V	[M]
C2987	ECEA1AKN100B	10 10V	[M]
C2988	ECJ1VB1H103K	0.01 50V	[M]
C2989	ECJ1VB1H103K	0.01 50V	[M]
C2990	ECEA1CKA101B	100 16V	[M]
C2991	ECA1CM100B	10 16V	[M]
C2992	ECEA1AKN100B	10 10V	[M]
C3602	ECEA1CKA100B	10 16V	[M]
C3603	ECJ1VB1H103K	0.01 50V	[M]
C3604	ECJ1VB1H102K	1000P 50V	[M]
C3606	ECJ1VB1H103K	0.01 50V	[M]
C3607	ECJ1VB1E473K	0.047 25V	[M]
C3608	ECJ1VC1H080D	8P 50V	[M]
C3609	ECJ1VB1H102K	1000P 50V	[M]
C3610	ECJ1VB1H103K	0.01 50V	[M]
C3611	ECEA1HKA4R7B	4.7 50V	[M]
C3612	F2A0J102A130	1000P 6.3V	[M]
C3617	ECEA1AKA221B	220 10V	[M]
C3618	ECEA1AKA221B	220 10V	[M]
C3620	ECJ1VB1C563K	0.056 16V	[M]
C3621	ECJ1VB1C563K	0.056 16V	[M]
C3622	ECJ1VB1C563K	0.056 16V	[M]
C3623	ECJ1VB1C104K	0.1 16V	[M]
C5100	ECJ1VB1H821K	820P 50V	[M]
C5101	ECJ1VC1H150J	15P 50V	[M]
C5102	ECJ1VB1H104K	0.1 50V	[M]
C5103	ECJ1VB1H104K	0.1 50V	[M]
C5200	ECJ1VB1H821K	820P 50V	[M]
C5201	ECJ1VC1H150J	15P 50V	[M]
C5202	ECJ1VB1H104K	0.1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5203	ECJ1VB1H104K	0.1 50V	[M]
C5300	ECJ1VC1H150J	15P 50V	[M]
C5301	ECJ1VB1H104K	0.1 50V	[M]
C5302	ECJ1VB1H104K	0.1 50V	[M]
C5303	ECJ1VB1H821K	820P 50V	[M]
C5400	ECJ1VC1H150J	15P 50V	[M]
C5401	ECJ1VB1H104K	0.1 50V	[M]
C5402	ECJ1VB1H104K	0.1 50V	[M]
C5403	ECJ1VB1H821K	820P 50V	[M]
C5500	ECJ1VB1H821K	820P 50V	[M]
C5501	ECJ1VC1H150J	15P 50V	[M]
C5502	ECJ1VB1H104K	0.1 50V	[M]
C5503	ECJ1VB1H104K	0.1 50V	[M]
C5604	ECJ1VB1H104K	0.1 50V	[M]
C5605	ECJ1VB1H104K	0.1 50V	[M]
C5706	ECJ1VC1H150J	15P 50V	[M]
C5707	ECJ1VB1H821K	820P 50V	[M]
C5801	F2A1E471A205	470P 25V	[M]
C5802	ECA1CM331B	330 16V	[M]
C5803	ECJ1VB1H102K	1000P 50V	[M]
C5804	ECJ1VB1H103K	0.01 50V	[M]
C5805	ECA1CM101B	100 16V	[M]
C5806	ECJ1VB1H103K	0.01 50V	[M]
C5807	ECEA1HKA2R2B	2.2 50V	[M]
C5808	ECA1CM331B	330 16V	[M]
C5809	ECJ1VB1H103K	0.01 50V	[M]
C5810	ECA1EM101B	100 25V	[M]
C5811	ECJ1VB1H103K	0.01 50V	[M]
C5812	ECEA1EKA330B	33 25V	[M]
C5813	ECEA0JKA221B	220 6.3V	[M]
C5814	ECJ1VB1H103K	0.01 50V	[M]
C5815	F2A1J332A306	3300P 63V	[M]
C5816	ECA1EM222B	2200 25V	[M]
C5817	ECA1EM222B	2200 25V	[M]
C5818	F2A1J332A306	3300P 63V	[M]
C5819	ECJ1VB1H103K	0.01 50V	[M]
C5834	ECEA1HKA010B	1 50V	[M]
C5836	ECEA2AU100B	10 100V	[M]
C6800	ECEA1CKA470B	47 16V	[M]
C6801	ECJ1VB1H102K	1000P 50V	[M]
C6802	ECEA1CKA470B	47 16V	[M]
C6803	ECJ1VB1H102K	1000P 50V	[M]
C6804	ECEA1HKA4R7B	4.7 50V	[M]
C6805	ECJ1VC1H101K	100P 50V	[M]
C6806	ECJ2VF1E473Z	0.047 25V	[M]
C6807	ECJ1VB1H102K	1000P 50V	[M]
C6809	ECJ1VB1H103K	0.01 50V	[M]
C6810	ECJ1VC1H101K	100P 50V	[M]
C6811	ECA1CM471B	470 16V	[M]
C6812	ECJ1VB1H102K	1000P 50V	[M]
C6813	ECEA0JKA101B	100 6.3V	[M]
C6843	ECJ1VB1C223K	0.022 16V	[M]
C6844	ECJ1VB1C223K	0.022 16V	[M]
C6853	ECEA0JKA470B	47 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C6854	ECEA1HKA3R3B	3.3 50V	[M]
C6855	ECEA1HKA220B	22 50V	[M]
C6856	ECEA1HKA220B	22 50V	[M]
C6865	ECEA1HKA010B	1 50V	[M]
C6866	ECJ1VB1H102K	1000P 50V	[M]
C6867	ECJ1VC1H101K	100P 50V	[M]
C6868	ECJ1VB1H102K	1000P 50V	[M]
C6870	ECEA1HKA010B	1 50V	[M]
C6871	ECJ1VB1H103K	0.01 50V	[M]
C6872	ECEA1HKAR33B	0.33 50V	[M]
C6873	ECJ1VB1C105K	1 16V	[M]
C6875	ECJ1VB1C223K	0.022 16V	[M]
C6876	ECJ1VB1C223K	0.022 16V	[M]
C6879	ECEA1HKA4R7B	4.7 50V	[M]
C6881	ECEA1HKA3R3B	3.3 50V	[M]
C6882	ECJ1VB1H471K	470P 50V	[M]
C6885	ECJ1VB1H331K	330P 50V	[M]
C6886	ECJ1VB1H331K	330P 50V	[M]
C6887	ECJ1VB1H331K	330P 50V	[M]
C6888	ECJ1VB1H331K	330P 50V	[M]
C6889	ECJ1VB1H104K	0.1 50V	[M]
C6890	ECEA0JKA101B	100 6.3V	[M]
C6891	ECJ1VC1H101K	100P 50V	[M]
C6894	ECJ1VB1H102K	1000P 50V	[M]
C6895	ECA1CAK100XB	10 16V	[M]
C6896	ECJ1VC1H101K	100P 50V	[M]
C6897	ECJ1VC1H101K	100P 50V	[M]
C6898	ECJ1VB1H332K	3300P 50V	[M]
C8001	F2G0J101A066	100P 6.3V	[M]
C8002	F2G0G331A012	330P 4V	[M]
C8003	ECJ0EB1E222K	2200P 25V	[M]
C8004	ECJ0EF1C104Z	0.1 16V	[M]
C8005	ECJ0EF1C104Z	0.1 16V	[M]
C8006	ECJ0EF1C104Z	0.1 16V	[M]
C8007	ECJ0EF1C104Z	0.1 16V	[M]
C8008	ECJ0EF1C104Z	0.1 16V	[M]
C8009	ECJ0EF1C104Z	0.1 16V	[M]
C8010	ECJ0EF1C104Z	0.1 16V	[M]
C8011	ECJ1VB0J105K	1 6.3V	[M]
C8012	ECJ0EF1C104Z	0.1 16V	[M]
C8013	ECJ0EF1C104Z	0.1 16V	[M]
C8014	ECJ0EF1C104Z	0.1 16V	[M]
C8015	ECJ1VB0J105K	1 6.3V	[M]
C8016	ECJ1VB0J105K	1 6.3V	[M]
C8017	ECJ0EF1C104Z	0.1 16V	[M]
C8018	ECJ0EF1C104Z	0.1 16V	[M]
C8019	ECJ1VB0J105K	1 6.3V	[M]
C8020	ECJ0EF1C104Z	0.1 16V	[M]
C8021	ECJ0EF1C104Z	0.1 16V	[M]
C8022	ECJ0EF1C104Z	0.1 16V	[M]
C8023	ECJ1VB0J105K	1 6.3V	[M]
C8024	ECJ1VB0J105K	1 6.3V	[M]
C8025	ECJ0EF1C104Z	0.1 16V	[M]
C8026	ECJ0EB1E222K	2200P 25V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C8027	ECJ0EF1C104Z	0.1 16V	[M]
C8028	ECJ1VB0J105K	10 6.3V	[M]
C8031	ECJ0EF1C104Z	0.1 16V	[M]
C8051	ECJ1VB0J105K	1 6.3V	[M]
C8052	ECJ0EF1C104Z	0.1 16V	[M]
C8053	ECJ0EC1H221J	220P 50V	[M]
C8054	ECJ1VB0J105K	1 6.3V	[M]
C8055	ECJ1VB0J105K	1 6.3V	[M]
C8056	ECJ0EF1C104Z	0.1 16V	[M]
C8057	ECJ0EB1E222K	2200P 25V	[M]
C8111	ECJ0EB1A104K	0.1 10V	[M]
C8112	ECJ1VB0J105K	1 6.3V	[M]
C8113	ECJ0EB1E471K	470P 25V	[M]
C8201	F2H0J101A003	100P 6.3V	[M]
C8202	F2G0J101A066	100P 6.3V	[M]
C8203	ECJ0EF1C104Z	0.1 16V	[M]
C8204	ECJ0EF1C104Z	0.1 16V	[M]
C8205	ECJ0EF1C104Z	0.1 16V	[M]
C8206	ECJ1VB0J105K	1 6.3V	[M]
C8207	ECJ1VF1C104Z	0.1 16V	[M]
C8208	ECJ0EF1C104Z	0.1 16V	[M]
C8211	ECJ0EB1A333K	0.033 10V	[M]
C8212	ECJ0EF1C104Z	0.1 16V	[M]
C8213	ECJ0EF1C104Z	0.1 16V	[M]
C8214	ECJ0EF1C104Z	0.1 16V	[M]
C8215	ECJ0EB1E562K	5600P 25V	[M]
C8216	ECJ0EB1C183K	0.018 16V	[M]
C8217	ECJ1VB0J105K	1 6.3V	[M]
C8218	ECJ1VB0J105K	1 6.3V	[M]
C8221	ECJ0EB1A104K	0.1 10V	[M]
C8222	ECJ0EB1A104K	0.1 10V	[M]
C8223	ECJ0EB1A104K	0.1 10V	[M]
C8224	ECJ0EB1A104K	0.1 10V	[M]
C8225	ECJ0EF1C104Z	0.1 16V	[M]
C8226	ECJ0EF1C104Z	0.1 16V	[M]
C8227	ECJ0EF1C104Z	0.1 16V	[M]
C8228	ECJ1VB0J105K	1 6.3V	[M]
C8229	ECJ1VB0J105K	1 6.3V	[M]
C8232	ECJ1VF1C104Z	0.1 16V	[M]
C8233	ECJ0EB1E472K	4700P 25V	[M]
C8234	ECJ0EF1C104Z	0.1 16V	[M]
C8235	ECJ0EB1H102K	1000P 50V	[M]
C8236	ECJ0EB1H102K	1000P 50V	[M]
C8237	ECJ0EB1H102K	1000P 50V	[M]
C8238	ECJ0EB1H821K	820P 50V	[M]
C8241	ECJ0EB1A104K	0.1 10V	[M]
C8242	ECJ0EB1A104K	0.1 10V	[M]
C8251	F2G0J221A065	220P 6.3V	[M]
C8252	F2G1C470A076	47P 16V	[M]
C8253	F2H1C220A003	22P 16V	[M]
C8254	ECJ0EF1C104Z	0.1 16V	[M]
C8255	ECJ0EF1C104Z	0.1 16V	[M]
C8256	ECJ0EF1C104Z	0.1 16V	[M]
C8257	ECJ0EF1C104Z	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C8261	ECJ0EF1C104Z	0.1 16V	[M]
C8262	ECJ0EF1C104Z	0.1 16V	[M]
C8301	F2H0J2210006	220P 6.3V	[M]
C8302	F2H0J330A003	33P 6.3V	[M]
C8303	ECJ0EF1C104Z	0.1 16V	[M]
C8304	ECJ1VB0J105K	1 6.3V	[M]
C8307	ECJ0EF1C104Z	0.1 16V	[M]
C8308	ECJ0EC1H150J	15P 50V	[M]
C8311	ECJ0EF1C104Z	0.1 16V	[M]
C8312	ECJ1VB0J105K	1 6.3V	[M]
C8421	F2G0J101A083	100P 6.3V	[M]
C8422	ECJ0EF1C104Z	0.1 16V	[M]
C8423	F2G0J330A083	33P 6.3V	[M]
C8424	ECJ0EF1C104Z	0.1 16V	[M]
C8426	ECJ0EF1C104Z	0.1 16V	[M]
C8427	ECJ0EF1C104Z	0.1 16V	[M]
C8428	ECJ0EF1C104Z	0.1 16V	[M]
C8501	ECJ3YB1A106M	10 10V	[M]
C8502	ECJ0EF1C104Z	0.1 16V	[M]
C8503	ECJ0EF1C104Z	0.1 16V	[M]
C8504	ECJ0EF1C104Z	0.1 16V	[M]
C8505	ECJ0EC1H221J	220P 50V	[M]
C8506	ECJ0EC1H101J	100P 50V	[M]
C8550	F2H0J330A003	33P 6.3V	[M]
C8551	ECJ0EF1C104Z	0.1 16V	[M]
C8552	F2G1C100A072	10P 16V	[M]
C8553	F2H0J470A003	47P 6.3V	[M]
C8554	ECJ1VB0J105K	1 6.3V	[M]
C8561	ECJ0EF1C104Z	0.1 16V	[M]
C8562	F2G1C100A072	10P 16V	[M]
C8563	F2H0J470A003	47P 6.3V	[M]
C8564	ECJ1VB0J105K	1 6.3V	[M]
C8601	ECJ0EF1C104Z	0.1 16V	[M]
C8606	ECJ0EF1C104Z	0.1 16V	[M]
C8607	ECJ0EB0J224K	0.22 6.3V	[M]
C8611	ECJ0EF1C104Z	0.1 16V	[M]
C8621	ECJ0EC1H120J	12P 50V	[M]
C8622	ECJ0EC1H120J	12P 50V	[M]
C8651	ECJ0EF1C104Z	0.1 16V	[M]
C8652	ECJ0EF1C104Z	0.1 16V	[M]
C8691	ECJ0EF1C104Z	0.1 16V	[M]
C8695	ECJ0EF1C104Z	0.1 16V	[M]
C9500	ECQE1104KF3	0.1 100V	[M]
C9501	ECQE1104KF3	0.1 100V	[M]
C9502	ECKR1H103MD5	0.01 50V	[M]
C9503	ECKR1H102ZF5	1000P 50V	[M]
C9504	F1B1H103A153	0.01 50V	[M]
C9505	ECKR1H103MD5	0.01 50V	[M]
C9506	F1B2H103A060	0.01 500V	[M]
C9507	F1D1H101A012	100P 50V	[M]
C9508	ECEA1AKA470B	47 10V	[M]
C9509	ECA1HM470B	47 50V	[M]
C9510	F2A1E471A205	470P 25V	[M]
C9511	F2A1E471A205	470P 25V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C9512	ECA1HM470B	47 50V	[M]
C9513	ECA1EM472B	4700 25V	[M]
C9514	EEUFC1E102B	1000P 25V	[M]
C9515	ECA0JM102B	1000 6.3V	[M]
C9517	ECEA1HKA100B	10 50V	[M]
C9533	ECA1JM222B	2200 63V	[M]
C9533	ECEA1HKA010B	1 50V	[M]
C9534	ECA1JM222B	2200 63V	[M]

27.5. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPGX1474	PACKING CASE	[M]GS
P1	RPGX1475	PACKING CASE	[M]GCS
P1	RPGX1477	PACKING CASE	[M]GCP
P2	RPNX0330	POLYFOAM	[M]
P3	RPFX0007	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	N2QAJB000142	REMOTE CONTROL	[M]
A1-1	RKK-HTR0051K	R/C BATTERY COVER	[M]
A2	K2CA2CA00031	AC CORD	[M]GS ⚠
A2	K2CQ2CA00002	AC CORD	[M]GCP/GCS ⚠
A2	RJA0053-3X	AC CORD	[M]GS ⚠
A3	RQT8169-L	O/I BOOK (En)	[M]GCS/GS
A3	RQT8170-A	O/I BOOK (Ar/Pe)	[M]GS
A3	RQT8172-M	O/I BOOK (Sp)	[M]GCP
A4	RSA0006-J	FM ANTENNA	[M]
A5	N1DAAAA00001	AM ANTENNA	[M]
A6	K2KA2BA00001	VIDEO CABLE	[M]
A7	K2DA42E00001	AC PLUG ADAPTOR	[M]GCP

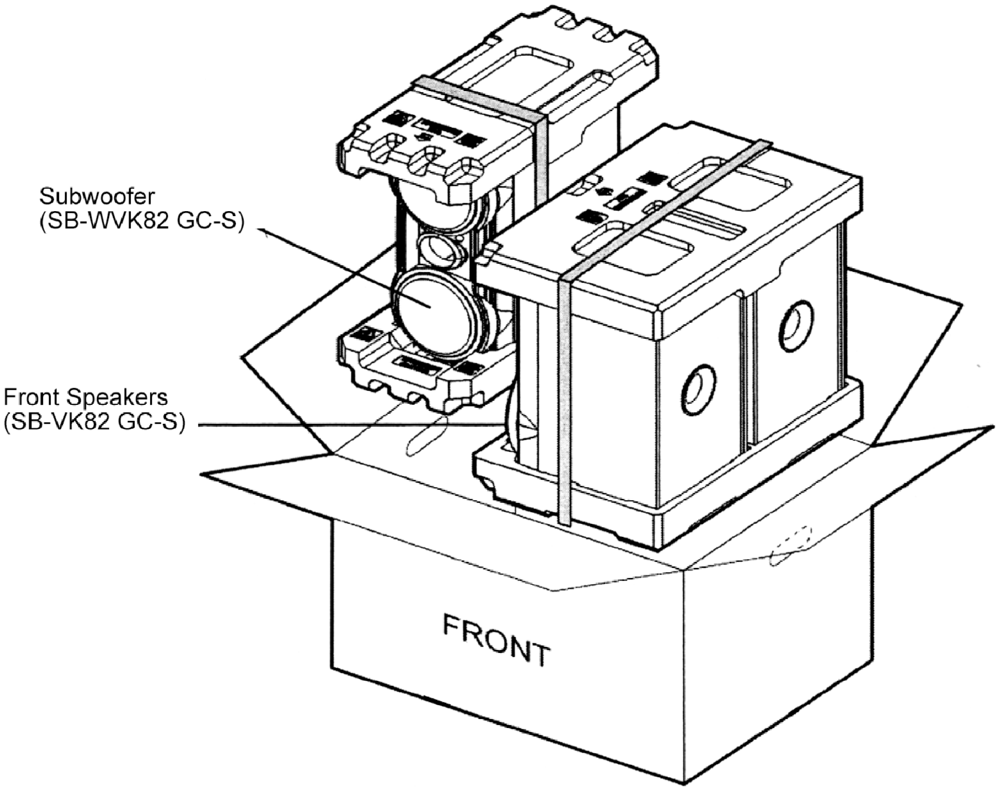
27.6. Packaging

27.6.1. Packaging (SB-VK82DGC-S)

This section consists of the packaging information for SB-VK82DGC-S. Below is the table for speaker combination. For information on the speakers model, please refer to its respective original service manual.

SB-VK82DGC-S

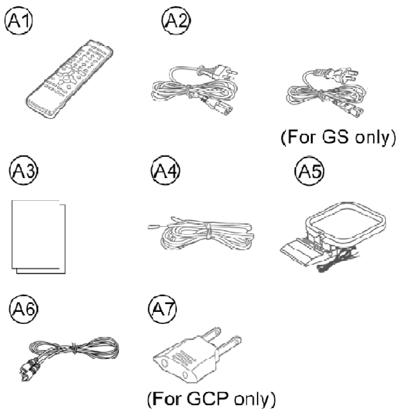
Front Speakers	SB-VK82GC-S
Subwoofer	SB-WVK82GC-S


Subwoofer
(SB-WVK82 GC-S)
Front Speakers
(SB-VK82 GC-S)
FRONT

27.6.2. Packaging (SF-VK82DGCP, SF-VK82DGCS & SF-VK82DGS)

This section consists of the packaging information for SF-VK82DGCP, SF-VK82DGCS & SF-VK82DGS. Below is the table for system combination. For information on the speakers model, please refer to its respective original service manual.

ACCESSORIES PACK

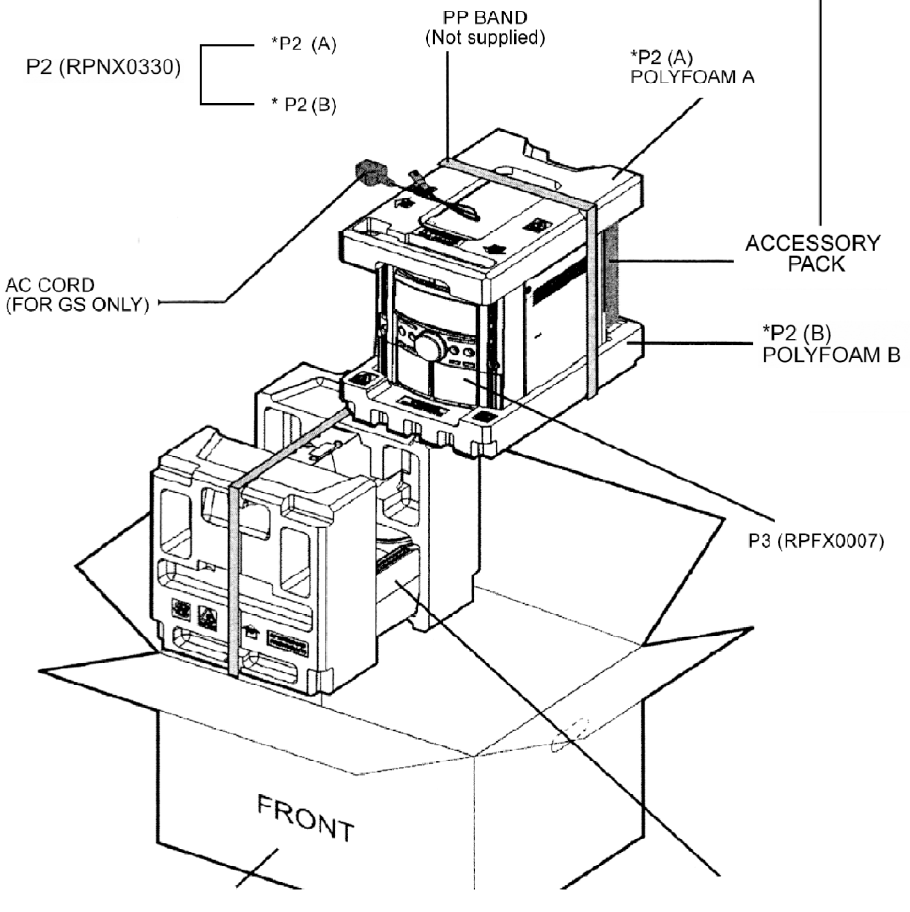

A1
A2
(For GS only)
A3
A4
A5
A6
A7
(For GCP only)

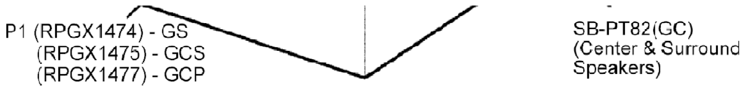
A1	REMOTE CONTROL
A2	AC CORD
A3	O/I BOOK
A4	FM ANTENNA
A5	AM ANTENNA
A6	VIDEO CABLE
A7	AC PLUG ADAPTOR

	SF-VK82DGCP-S	SF-VK82DGCS-S	SF-VK82DGS-S
Main Unit	SA-VK82DGCP-S	SA-VK82DGCS-S	SA-VK82DGS-S
Satellite Speakers	SB-PT82GC-S	SB-PT82GC-S	SB-PT82GC-S

SB-PT82GC-S

Surround Speakers	SB-PS82GC-S
Center Speaker	SB-PC82GC-S


P2 (RPNX0330)
*P2 (A)
* P2 (B)
PP BAND
(Not supplied)
*P2 (A)
POLYFOAM A
ACCESSORY
PACK
AC CORD
(FOR GS ONLY)
*P2 (B)
POLYFOAM B
P3 (RPFX0007)
FRONT


P1 (RPGX1474) - GS
(RPGX1475) - GCS
(RPGX1477) - GCP
SB-PT82(GC)
(Center & Surround
Speakers)

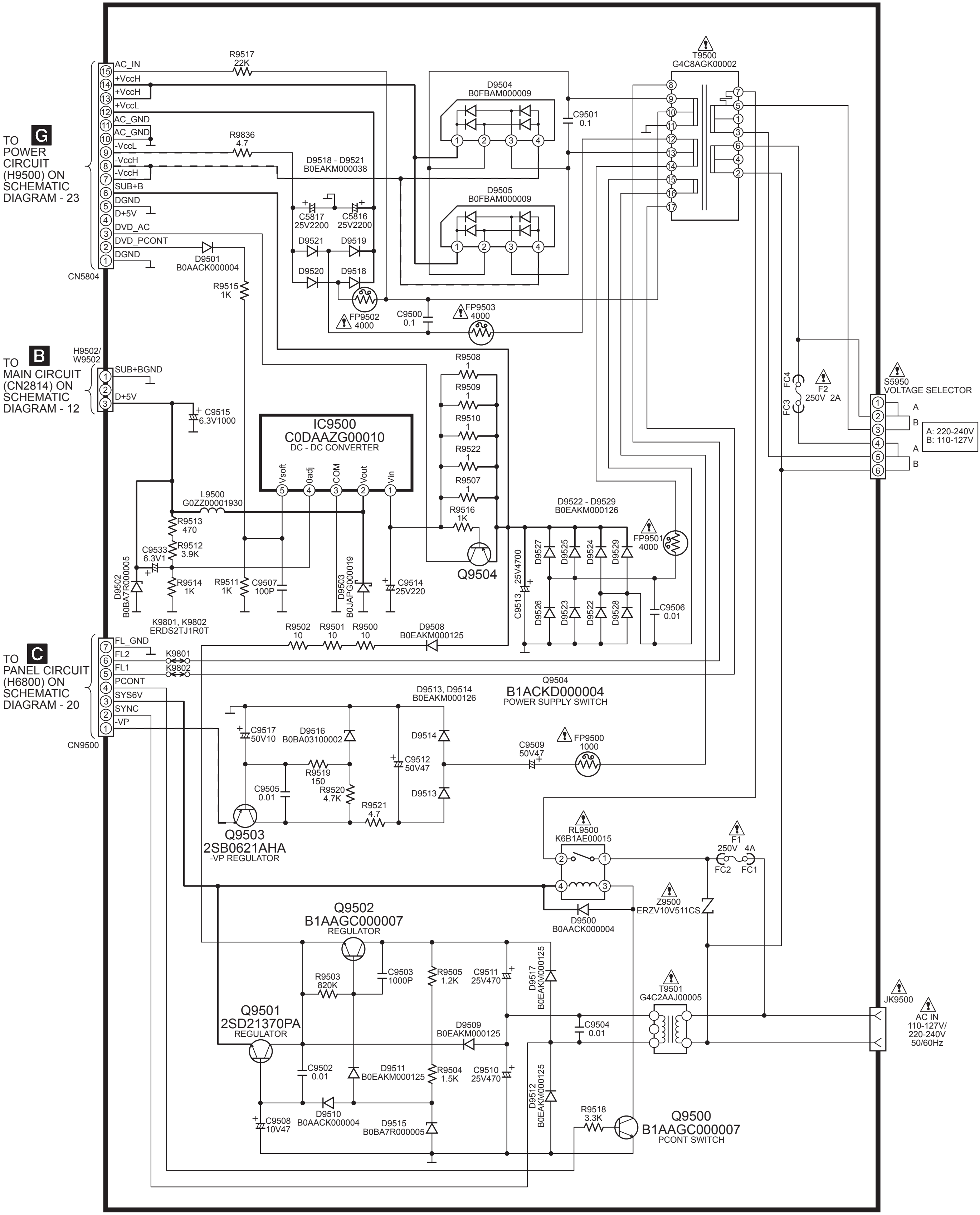
PRT0506 S/E/D/N/A

SCHEMATIC DIAGRAM - 25

I TRANSFORMER CIRCUIT

——— : +B SIGNAL LINE

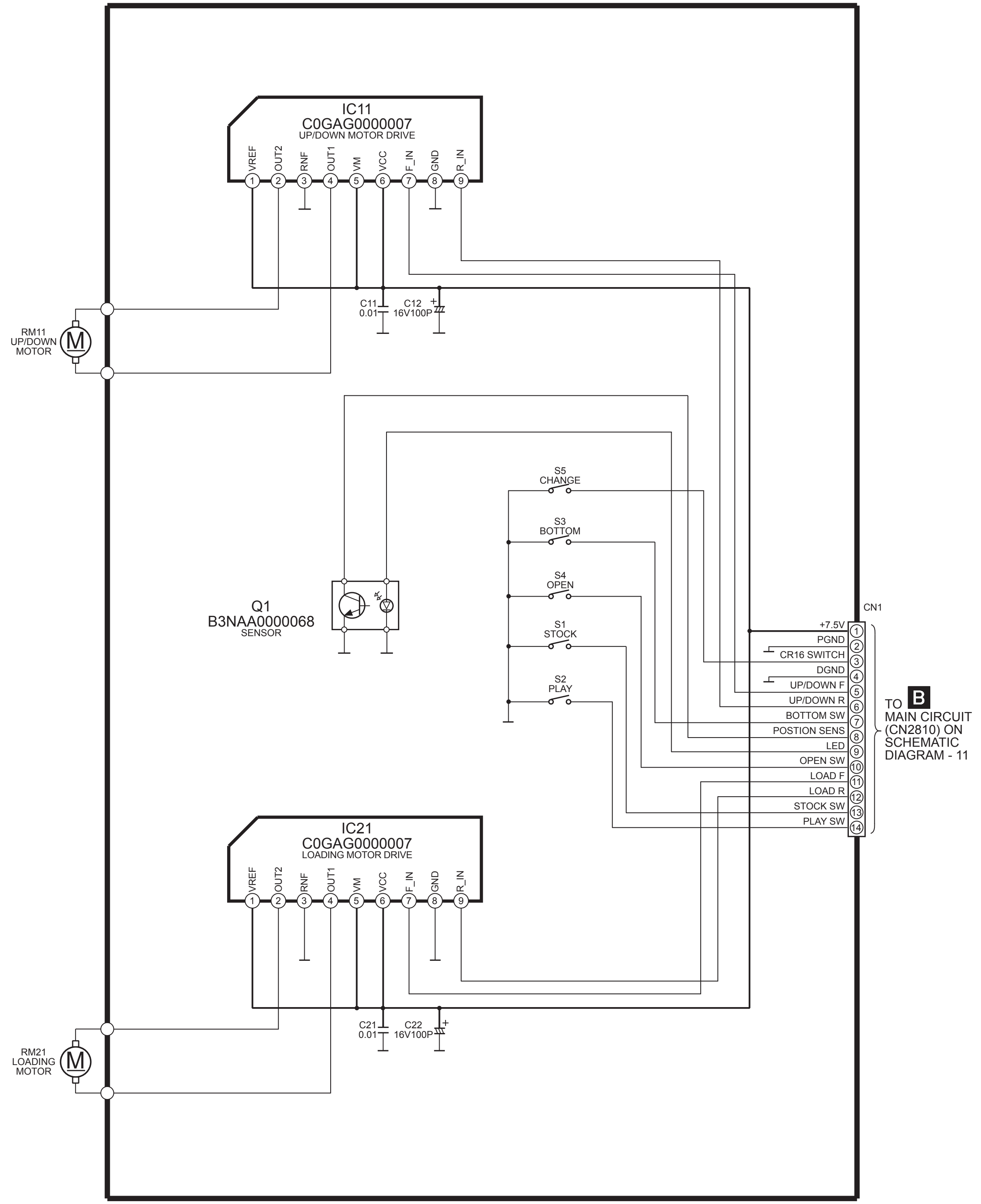
- - - - : -B SIGNAL LINE

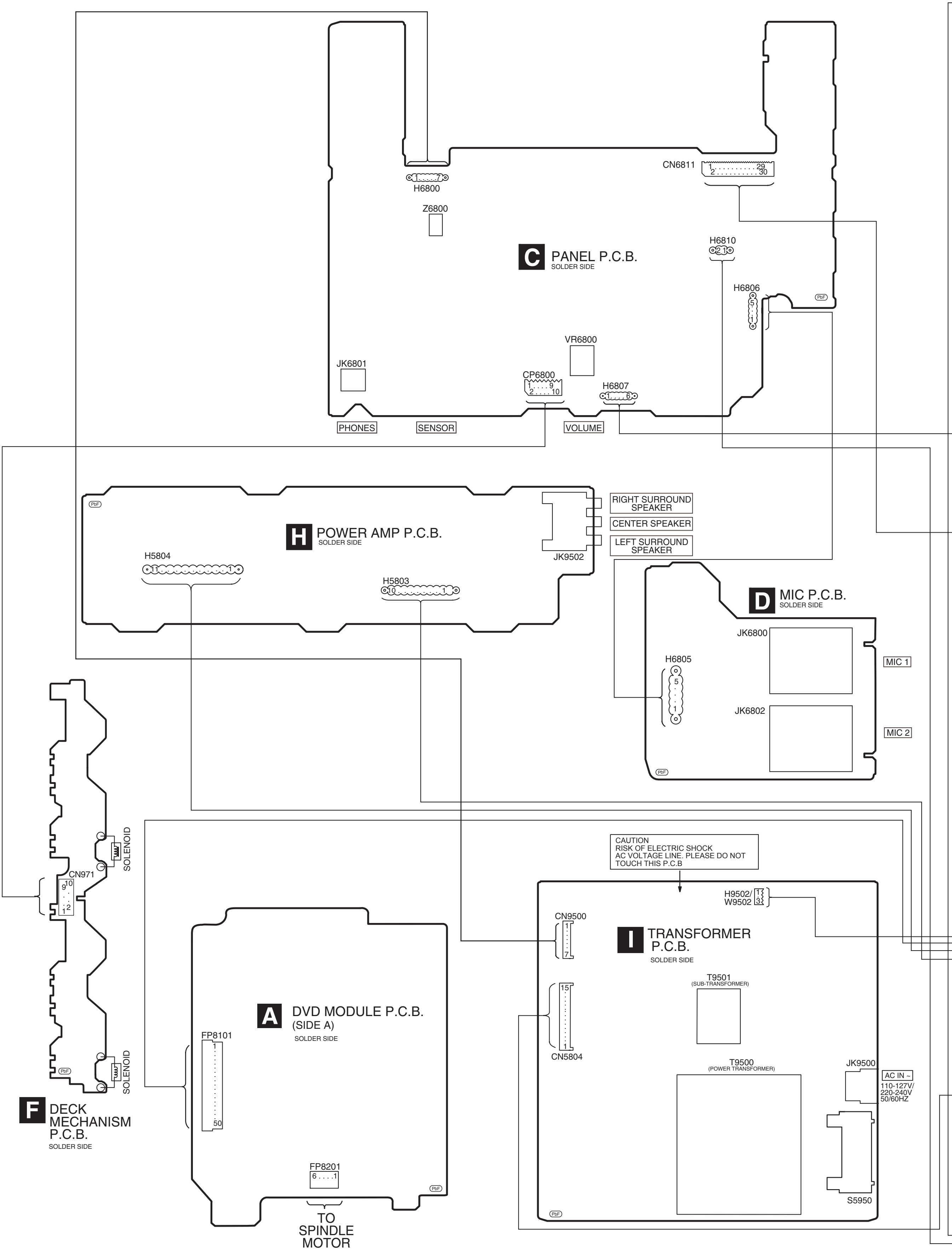

TO G POWER CIRCUIT (H9500) ON SCHEMATIC DIAGRAM - 23
CN5804
15 AC_IN
14 +VccH
13 +VccH
12 +VccL
11 AC_GND
10 AC_GND
9 -VccL
8 -VccH
7 -VccH
6 SUB+B
5 DGND
4 D+5V
3 DVD_AC
2 DVD_PCONT
1 DGND
R9517 22K
R9836 4.7
D9504 B0FBAM000009
D9505 B0FBAM000009
C9501 0.1
D9518 - D9521 B0EAKM000038
C5817 25V2200
C5816 25V2200
D9521
D9519
D9520
D9518
D9501 B0AACK000004
R9515 1K
FP9502 4000
C9500 0.1
FP9503 4000
T9500 G4C8AGK00002
TO B MAIN CIRCUIT (CN2814) ON SCHEMATIC DIAGRAM - 12
H9502/ W9502
SUB+BGND
D+5V
C9515 6.3V1000
IC9500 C0DAAZG00010 DC - DC CONVERTER
Vsoft 0adj COM Vout Vin
L9500 G0ZZ00001930
R9513 470
R9512 3.9K
C9533 6.3V1
D9502 B0BA7R000005
R9514 1K
R9511 1K
C9507 100P
D9503 B0JAPG000019
C9514 25V220
R9508 1
R9509 1
R9510 1
R9522 1
R9507 1
R9516 1K
Q9504
C9513 25V4700
D9522 - D9529 B0EAKM000126
D9527 D9525 D9524 D9529
D9526 D9523 D9522 D9528
FP9501 4000
C9506 0.01
K9801, K9802 ERDS2TJ1R0T
R9502 10
R9501 10
R9500 10
D9508 B0EAKM000125
TO C PANEL CIRCUIT (H6800) ON SCHEMATIC DIAGRAM - 20
CN9500
7 FL_GND
6 FL2
5 FL1
4 PCONT
3 SYS6V
2 SYNC
1 -VP
K9801
K9802
Q9504 B1ACKD000004 POWER SUPPLY SWITCH
D9513, D9514 B0EAKM000126
C9517 50V10
D9516 B0BA03100002
R9519 150
C9505 0.01
R9520 4.7K
C9512 50V47
D9514
D9513
R9521 4.7
C9509 50V47
FP9500 1000
Q9503 2SB0621AHA -VP REGULATOR
S5950 VOLTAGE SELECTOR
A B A B
A: 220-240V
B: 110-127V
FC4 FC3
F2 250V 2A
RL9500 K6B1AE00015
F1 250V 4A
FC2 FC1
Z9500 ERZV10V511CS
D9500 B0AACK000004
Q9502 B1AAGC000007 REGULATOR
R9503 820K
C9503 1000P
R9505 1.2K
C9511 25V470
D9517 B0EAKM000125
T9501 G4C2AAJ00005
C9504 0.01
JK9500
AC IN 110-127V/ 220-240V 50/60Hz
Q9501 2SD21370PA REGULATOR
D9509 B0EAKM000125
C9502 0.01
D9511 B0EAKM000125
R9504 1.5K
C9510 25V470
D9512 B0EAKM000125
D9510 B0AACK000004
C9508 10V47
D9515 B0BA7R000005
R9518 3.3K
Q9500 B1AAGC000007 PCONT SWITCH

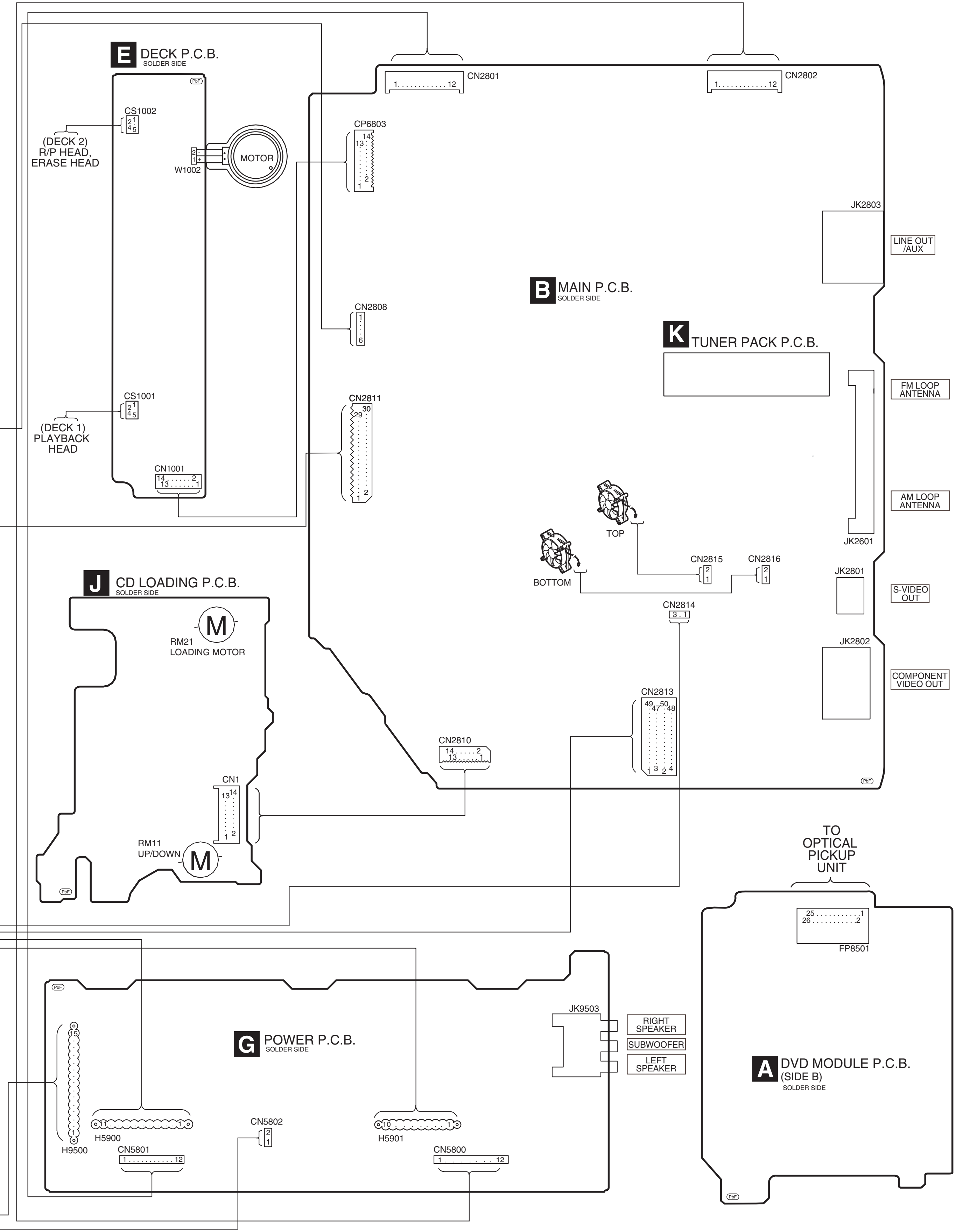
SCHEMATIC DIAGRAM - 26

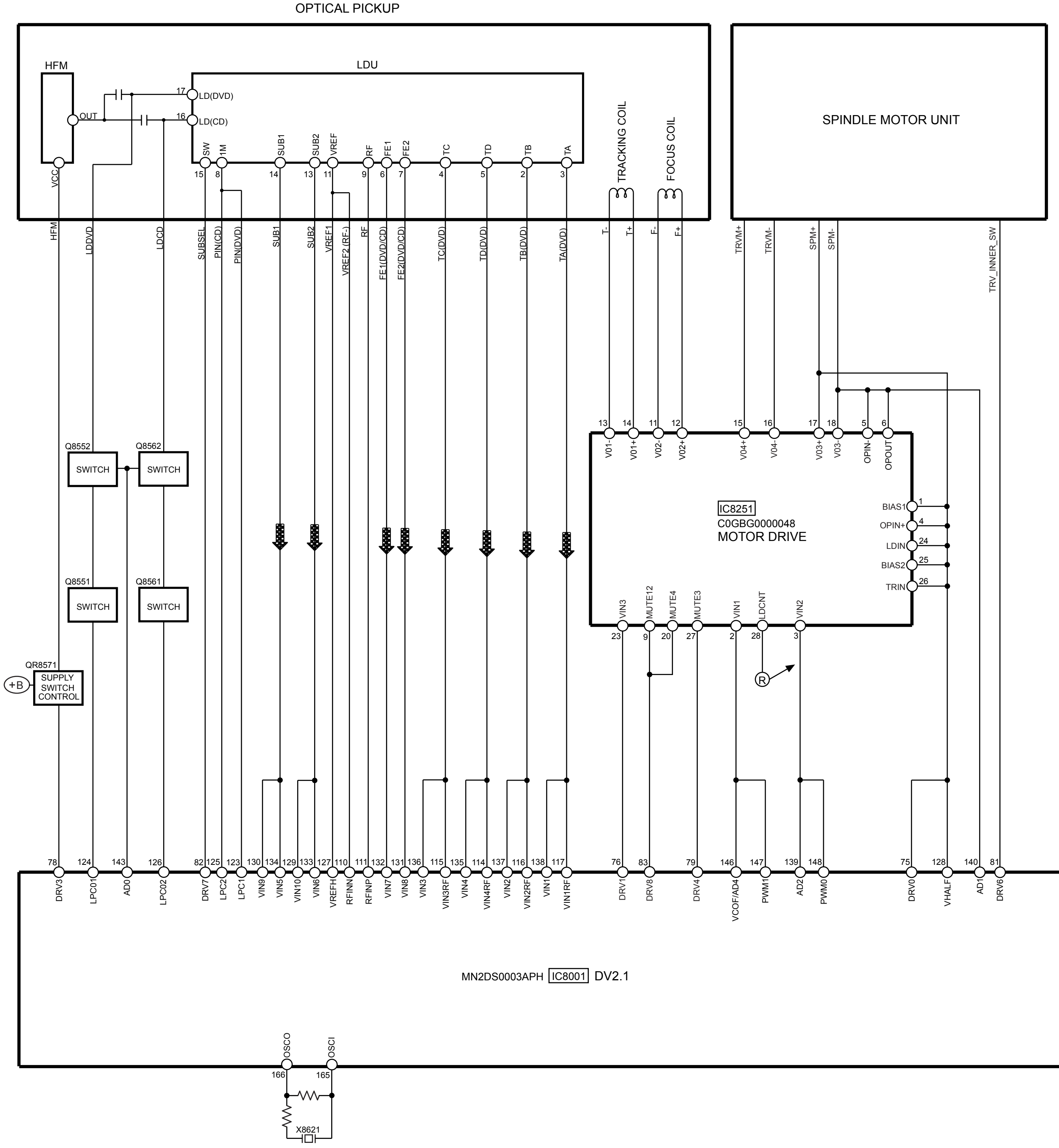
J CD LOADING CIRCUIT

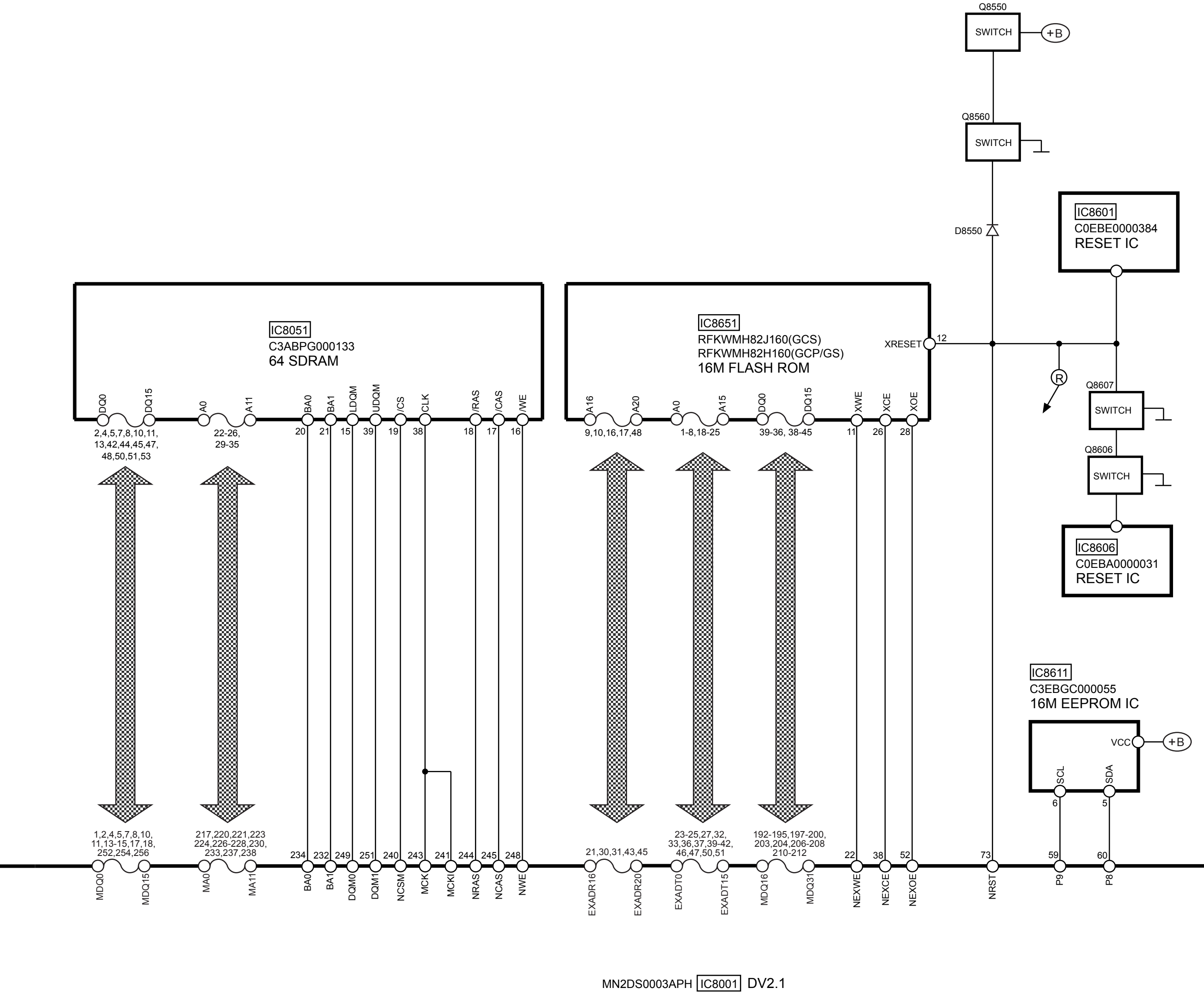
: +B SIGNAL LINE

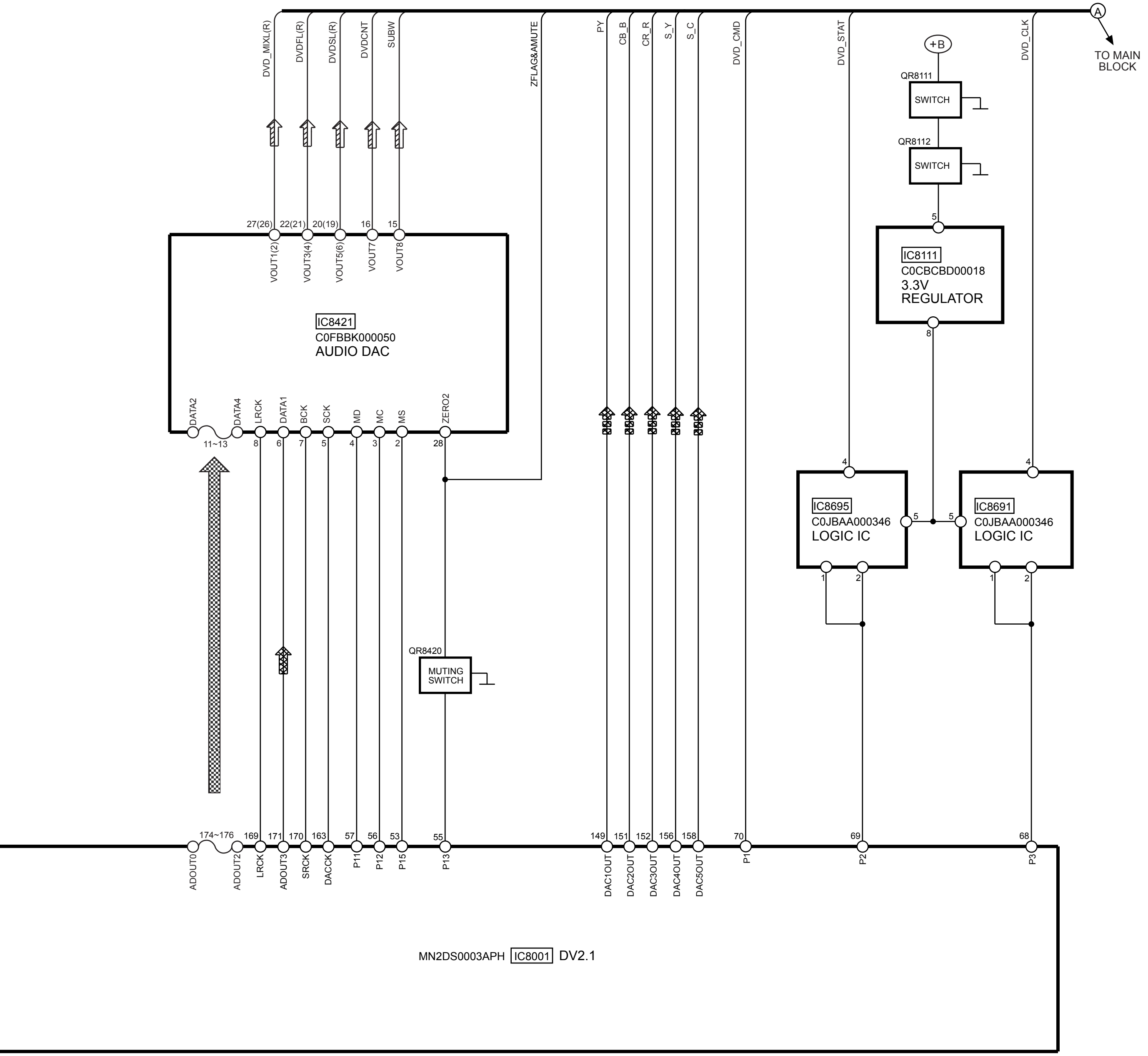

IC11
C0GAG0000007
UP/DOWN MOTOR DRIVE
VREF
OUT2
RNF
OUT1
VM
VCC
F_IN
GND
R_IN
1
2
3
4
5
6
7
8
9
C11
0.01
C12
16V100P
RM11
UP/DOWN
MOTOR
M
Q1
B3NAA0000068
SENSOR
S5
CHANGE
S3
BOTTOM
S4
OPEN
S1
STOCK
S2
PLAY
CN1
+7.5V
PGND
CR16 SWITCH
DGND
UP/DOWN F
UP/DOWN R
BOTTOM SW
POSTION SENS
LED
OPEN SW
LOAD F
LOAD R
STOCK SW
PLAY SW
1
2
3
4
5
6
7
8
9
10
11
12
13
14
TO B
MAIN CIRCUIT
(CN2810) ON
SCHEMATIC
DIAGRAM - 11
IC21
C0GAG0000007
LOADING MOTOR DRIVE
VREF
OUT2
RNF
OUT1
VM
VCC
F_IN
GND
R_IN
1
2
3
4
5
6
7
8
9
C21
0.01
C22
16V100P
RM21
LOADING
MOTOR
M

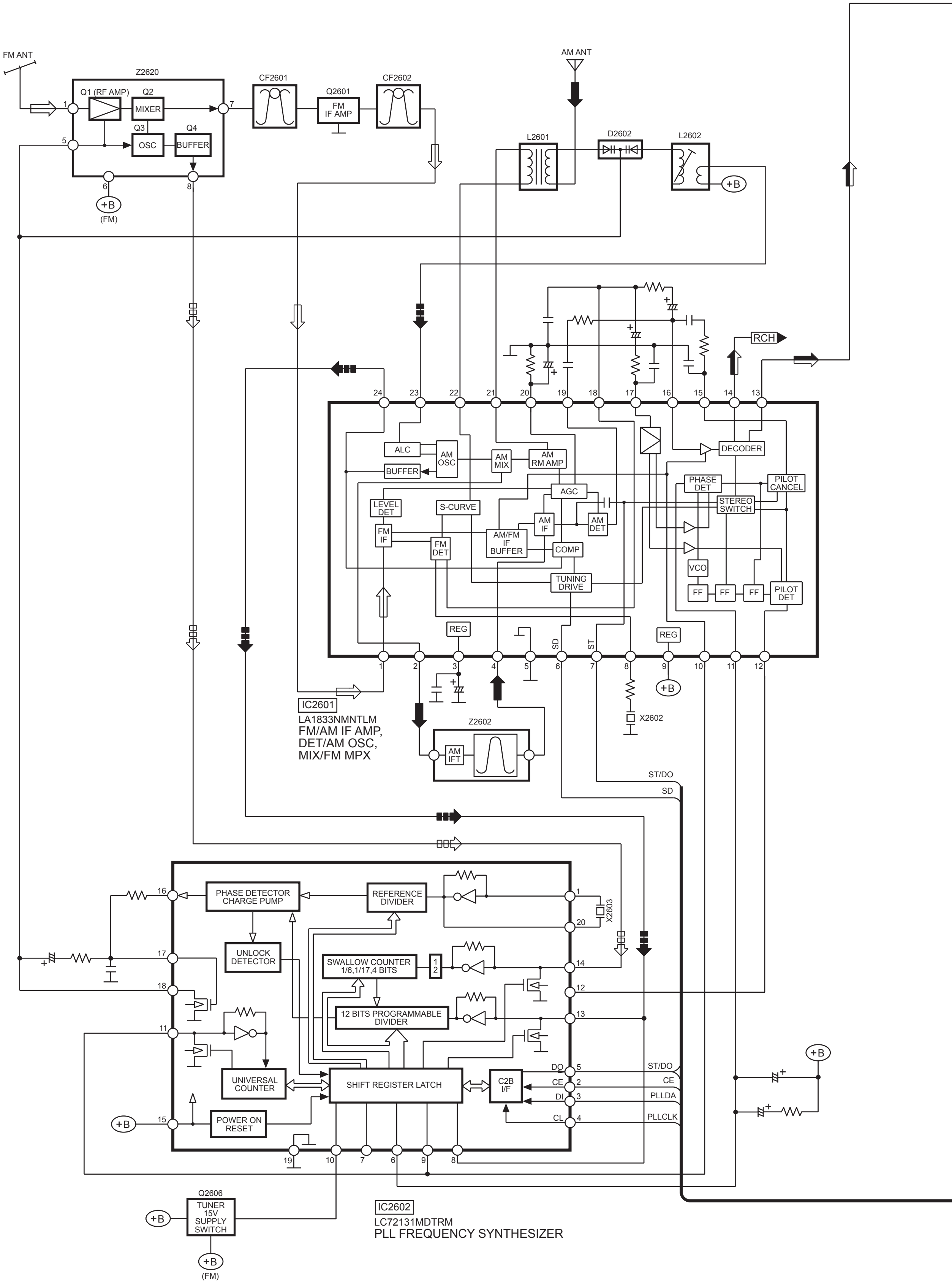

C PANEL P.C.B.
SOLDER SIDE
H6800
Z6800
CN6811
H6810
H6806
VR6800
JK6801
CP6800
H6807
PHONES
SENSOR
VOLUME
H POWER AMP P.C.B.
SOLDER SIDE
RIGHT SURROUND SPEAKER
CENTER SPEAKER
LEFT SURROUND SPEAKER
JK9502
H5804
H5803
D MIC P.C.B.
SOLDER SIDE
JK6800
MIC 1
H6805
JK6802
MIC 2
SOLENOID
CN971
SOLENOID
F DECK MECHANISM P.C.B.
SOLDER SIDE
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B
H9502/
W9502
CN9500
I TRANSFORMER P.C.B.
SOLDER SIDE
T9501
(SUB-TRANSFORMER)
CN5804
T9500
(POWER TRANSFORMER)
JK9500
AC IN ~
110-127V/
220-240V
50/60HZ
S5950
A DVD MODULE P.C.B.
(SIDE A)
SOLDER SIDE
FP8101
FP8201
TO SPINDLE MOTOR
PbF

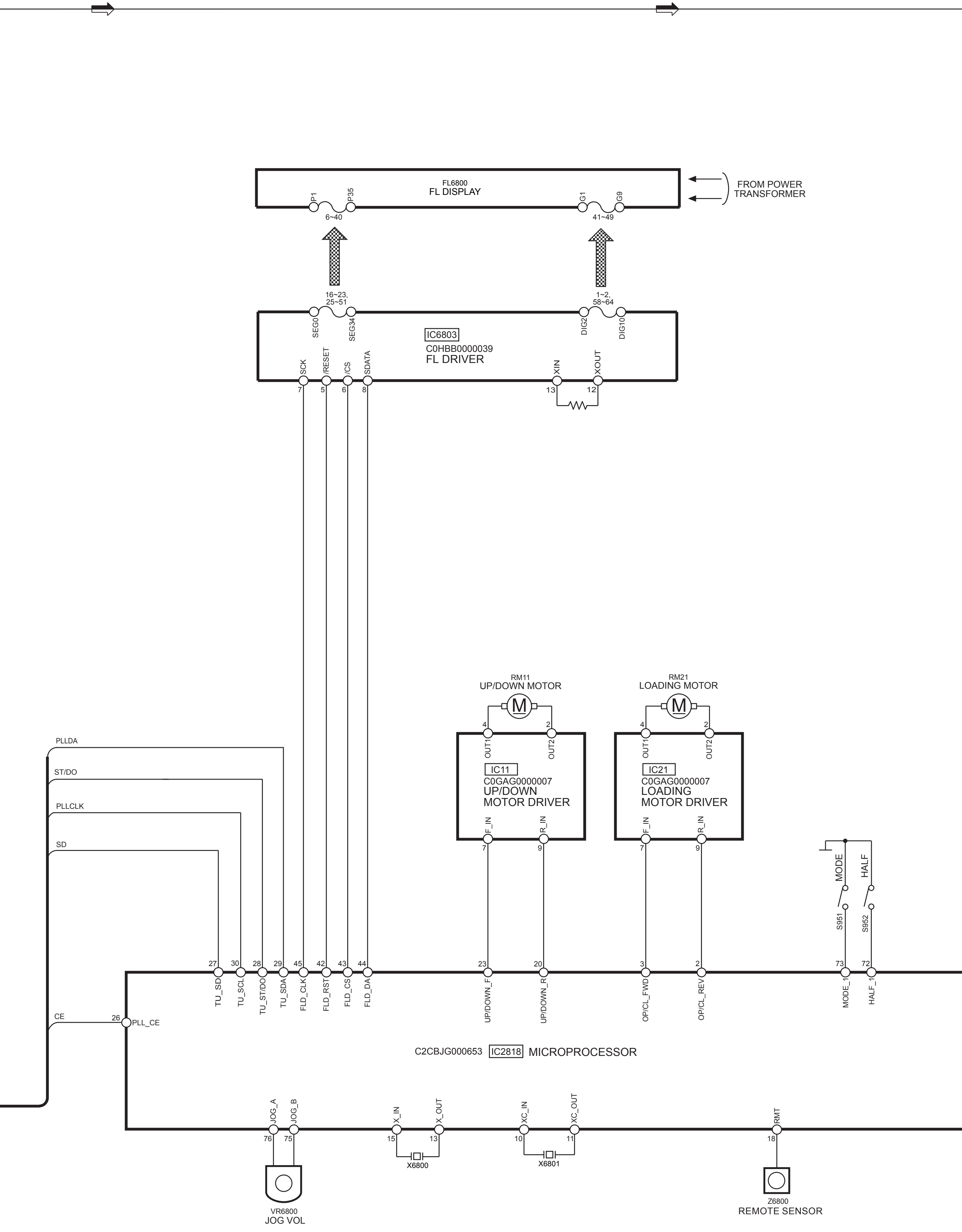

E DECK P.C.B.
SOLDER SIDE
CS1002
(DECK 2)
R/P HEAD,
ERASE HEAD
MOTOR
W1002
CS1001
(DECK 1)
PLAYBACK
HEAD
CN1001
CN2801
CN2802
CP6803
JK2803
LINE OUT
/AUX
B MAIN P.C.B.
SOLDER SIDE
CN2808
K TUNER PACK P.C.B.
CN2811
FM LOOP
ANTENNA
AM LOOP
ANTENNA
JK2601
TOP
BOTTOM
CN2815
CN2816
JK2801
S-VIDEO
OUT
CN2814
JK2802
COMPONENT
VIDEO OUT
CN2813
CN2810
J CD LOADING P.C.B.
SOLDER SIDE
RM21
LOADING MOTOR
CN1
RM11
UP/DOWN
TO
OPTICAL
PICKUP
UNIT
FP8501
JK9503
RIGHT
SPEAKER
SUBWOOFER
LEFT
SPEAKER
G POWER P.C.B.
SOLDER SIDE
CN5802
H9500
H5900
CN5801
H5901
CN5800
A DVD MODULE P.C.B.
(SIDE B)
SOLDER SIDE
PbF

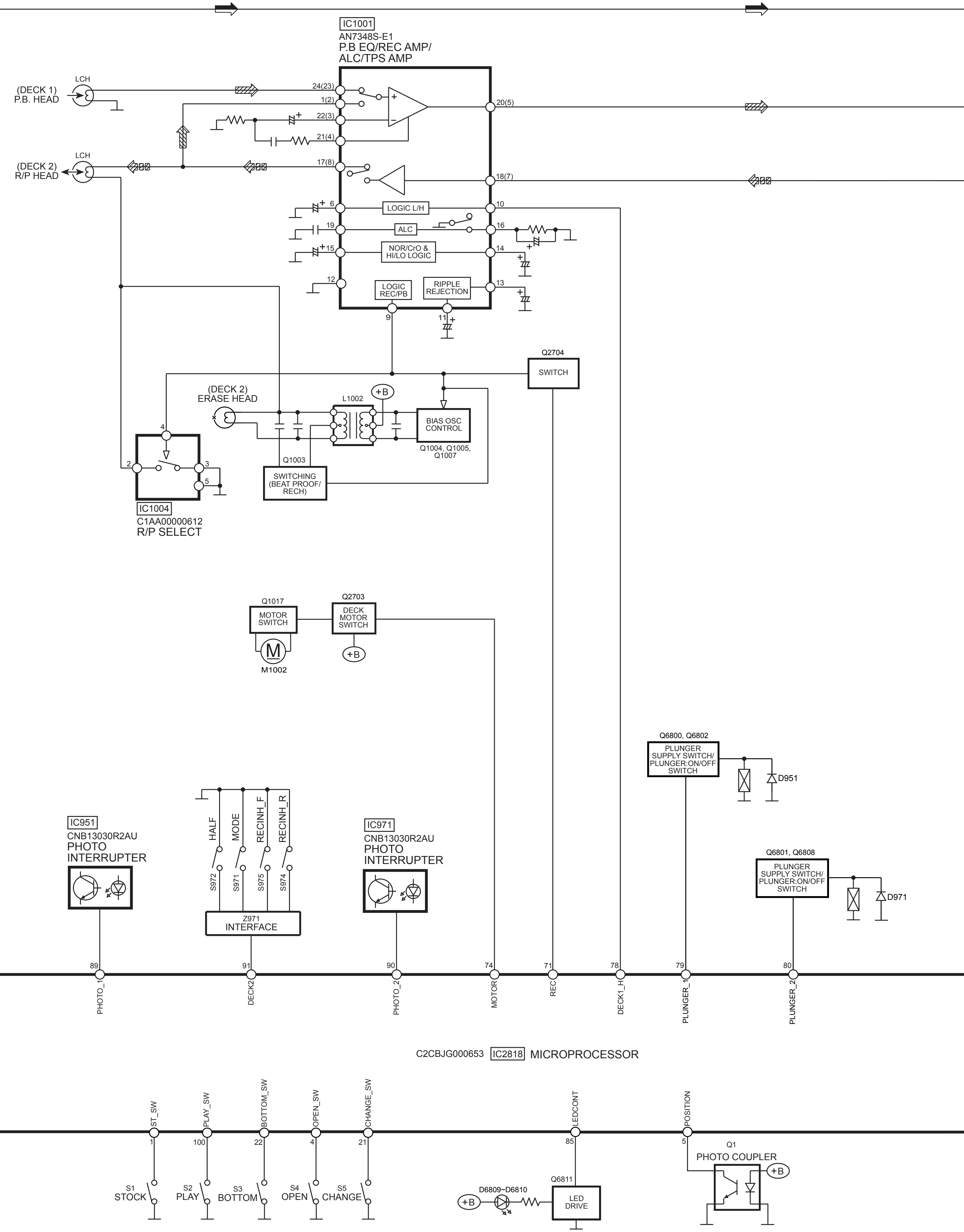

OPTICAL PICKUP
HFM
OUT
VCC
LDU
17
LD(DVD)
16
LD(CD)
SW
1M
SUB1
SUB2
VREF
RF
FE1
FE2
TC
TD
TB
TA
15
8
14
13
11
9
6
7
4
5
2
3
TRACKING COIL
FOCUS COIL
SPINDLE MOTOR UNIT
HFM
LDDVD
LDCD
SUBSEL
PIN(CD)
PIN(DVD)
SUB1
SUB2
VREF1
VREF2(RF-)
RF
FE1(DVD/CD)
FE2(DVD/CD)
TC(DVD)
TD(DVD)
TB(DVD)
TA(DVD)
T-
T+
F-
F+
TRVM+
TRVM-
SPM+
SPM-
TRV_INNER_SW
Q8552
SWITCH
Q8562
SWITCH
Q8551
SWITCH
Q8561
SWITCH
QR8571
+B
SUPPLY SWITCH CONTROL
13 V01-
14 V01+
11 V02-
12 V02+
15 V04+
16 V04-
17 V03+
18 V03-
5 OPIN-
6 OPOUT
IC8251
C0GBG0000048
MOTOR DRIVE
BIAS1 1
OPIN+ 4
LDIN 24
BIAS2 25
TRIN 26
VIN3 23
MUTE12 9
MUTE4 20
MUTE3 27
VIN1 2
LDCNT 28
VIN2 3
R
78 DRV3
124 LPC01
143 AD0
126 LPC02
82 DRV7
125 LPC2
123 LPC1
130 VIN9
134 VIN5
129 VIN10
133 VIN6
127 VREFH
110 RFINN
111 RFINP
132 VIN7
131 VIN8
136 VIN3
115 VIN3RF
135 VIN4
114 VIN4RF
137 VIN2
116 VIN2RF
138 VIN1
117 VIN1RF
76 DRV1
83 DRV8
79 DRV4
146 VCOF/AD4
147 PWM1
139 AD2
148 PWM0
75 DRV0
128 VHALF
140 AD1
81 DRV6
MN2DS0003APH
IC8001
DV2.1
OSCO
OSCI
166
165
X8621

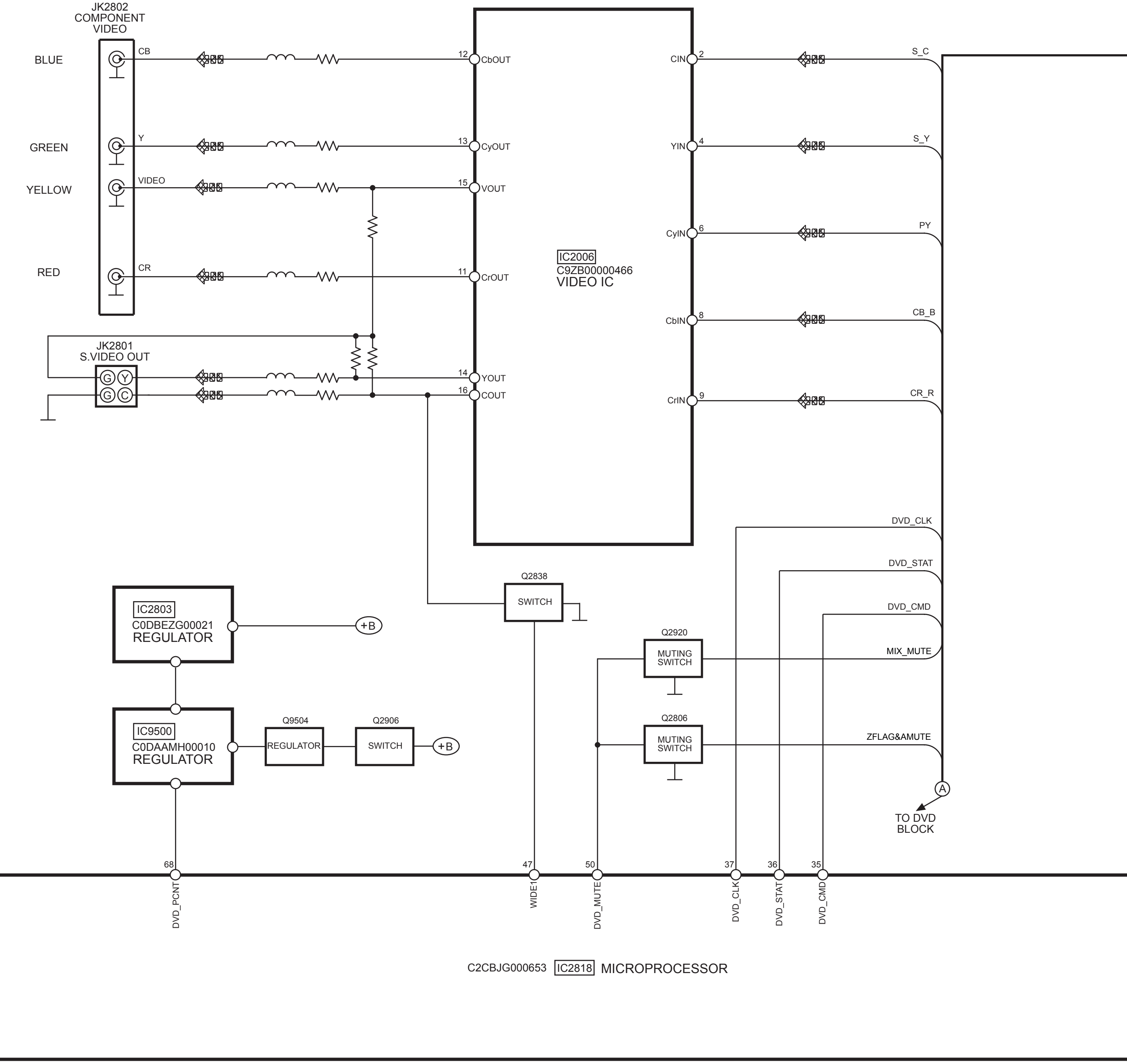

Q8550
SWITCH
+B
Q8560
SWITCH
D8550
IC8601
C0EBE0000384
RESET IC
IC8051
C3ABPG000133
64 SDRAM
DQ0
DQ15
A0
A11
BA0
BA1
LDQM
UDQM
/CS
CLK
/RAS
/CAS
/WE
2,4,5,7,8,10,11,
13,42,44,45,47,
48,50,51,53
22-26,
29-35
20
21
15
39
19
38
18
17
16
IC8651
RFKWMH82J160(GCS)
RFKWMH82H160(GCP/GS)
16M FLASH ROM
XRESET
12
A16
A20
A0
A15
DQ0
DQ15
XWE
XCE
XOE
9,10,16,17,48
1-8,18-25
39-36, 38-45
11
26
28
R
Q8607
SWITCH
Q8606
SWITCH
IC8606
C0EBA0000031
RESET IC
IC8611
C3EBGC000055
16M EEPROM IC
VCC
+B
SCL
SDA
6
5
1,2,4,5,7,8,10,
11,13-15,17,18,
252,254,256
217,220,221,223
224,226-228,230,
233,237,238
234
232
249
251
240
243
241
244
245
248
21,30,31,43,45
23-25,27,32,
33,36,37,39-42,
46,47,50,51
192-195,197-200,
203,204,206-208
210-212
22
38
52
73
59
60
MDQ0
MDQ15
MA0
MA11
BA0
BA1
DQM0
DQM1
NCSM
MCK
MCKI
NRAS
NCAS
NWE
EXADR16
EXADR20
EXADT0
EXADT15
MDQ16
MDQ31
NEXWE
NEXCE
NEXOE
NRST
P9
P8
MN2DS0003APH
IC8001
DV2.1

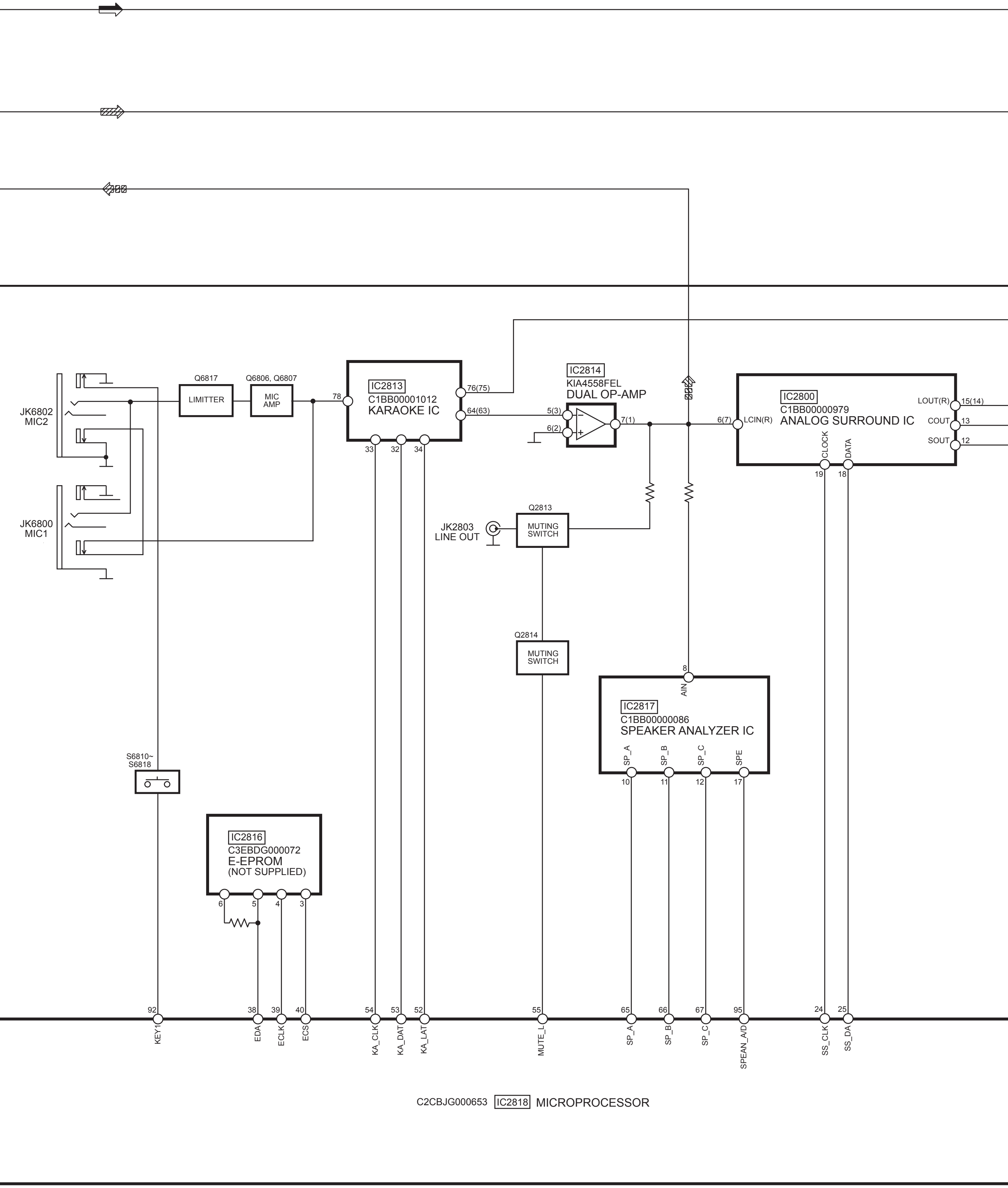

A
TO MAIN BLOCK
DVD_MIXL(R)
DVDFL(R)
DVDSL(R)
DVDCNT
SUBW
ZFLAG&AMUTE
PY
CB_B
CR_R
S_Y
S_C
DVD_CMD
DVD_STAT
DVD_CLK
+B
QR8111
SWITCH
QR8112
SWITCH
5
IC8111
C0CBCBD00018
3.3V
REGULATOR
8
27(26)
22(21)
20(19)
16
15
VOUT1(2)
VOUT3(4)
VOUT5(6)
VOUT7
VOUT8
IC8421
C0FBBK000050
AUDIO DAC
DATA2
DATA4
LRCK
DATA1
BCK
SCK
MD
MC
MS
ZERO2
11~13
8
6
7
5
4
3
2
28
4
IC8695
C0JBAA000346
LOGIC IC
5
1
2
4
IC8691
C0JBAA000346
LOGIC IC
5
1
2
QR8420
MUTING SWITCH
174~176
169
171
170
163
57
56
53
55
149
151
152
156
158
70
69
68
ADOUT0
ADOUT2
LRCK
ADOUT3
SRCK
DACCK
P11
P12
P15
P13
DAC1OUT
DAC2OUT
DAC3OUT
DAC4OUT
DAC5OUT
P1
P2
P3
MN2DS0003APH
IC8001
DV2.1

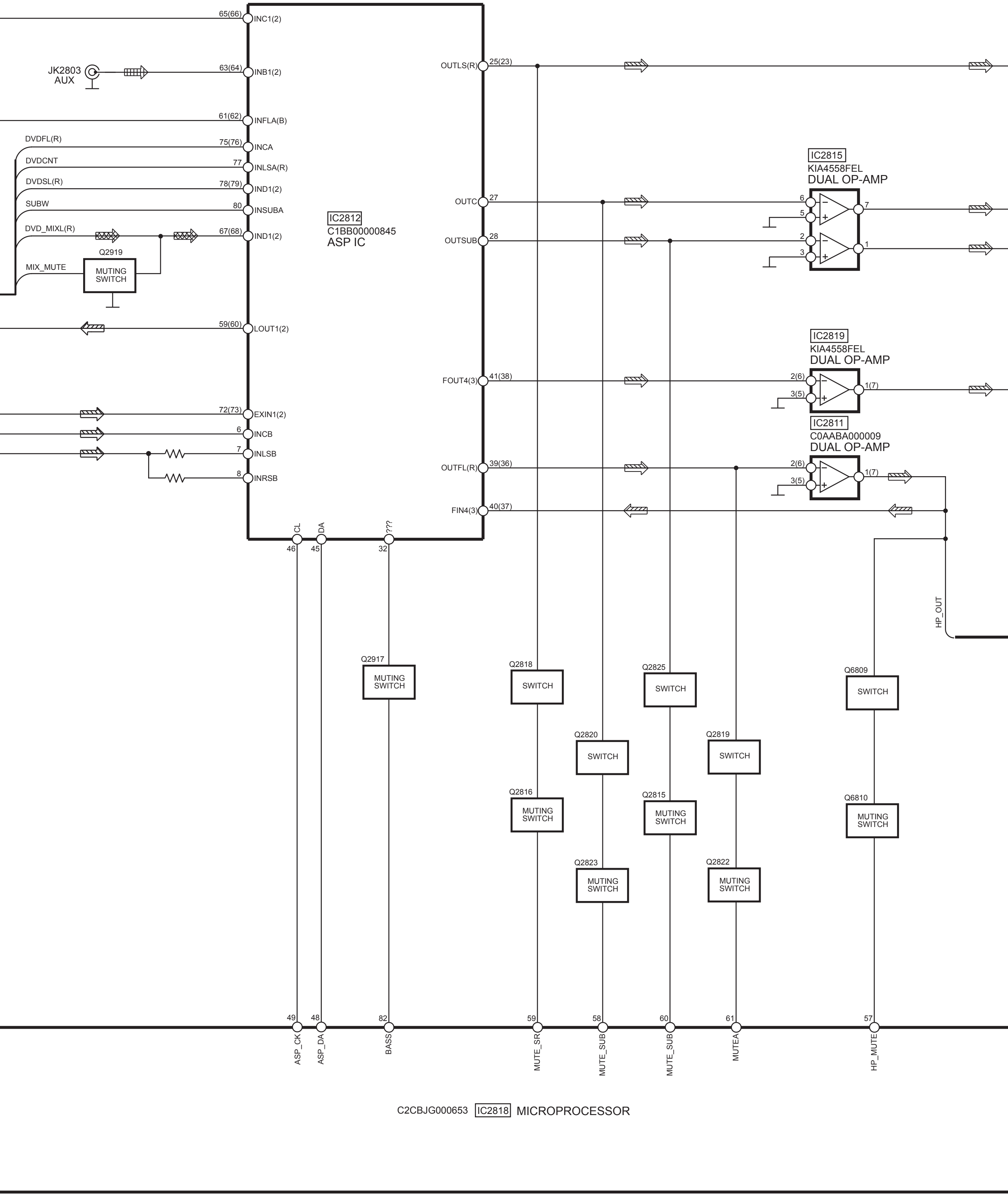

FM ANT
Z2620
Q1 (RF AMP)
Q2
MIXER
Q3
OSC
Q4
BUFFER
+B
(FM)
CF2601
Q2601
FM
IF AMP
CF2602
AM ANT
L2601
D2602
L2602
+B
RCH
ALC
AM OSC
BUFFER
AM MIX
AM RM AMP
AGC
LEVEL DET
S-CURVE
FM IF
FM DET
AM/FM IF BUFFER
AM IF
AM DET
COMP
TUNING DRIVE
REG
SD
ST
REG
DECODER
PHASE DET
PILOT CANCEL
STEREO SWITCH
VCO
FF
FF
FF
PILOT DET
+B
X2602
Z2602
AM IFT
IC2601
LA1833NMNTLM
FM/AM IF AMP,
DET/AM OSC,
MIX/FM MPX
ST/DO
SD
PHASE DETECTOR CHARGE PUMP
REFERENCE DIVIDER
UNLOCK DETECTOR
SWALLOW COUNTER 1/6,1/17,4 BITS
1
2
12 BITS PROGRAMMABLE DIVIDER
UNIVERSAL COUNTER
SHIFT REGISTER LATCH
C2B I/F
POWER ON RESET
+B
X2603
DO
CE
DI
CL
ST/DO
CE
PLLDA
PLLCLK
+B
Q2606
TUNER 15V SUPPLY SWITCH
+B
+B
(FM)
IC2602
LC72131MDTRM
PLL FREQUENCY SYNTHESIZER

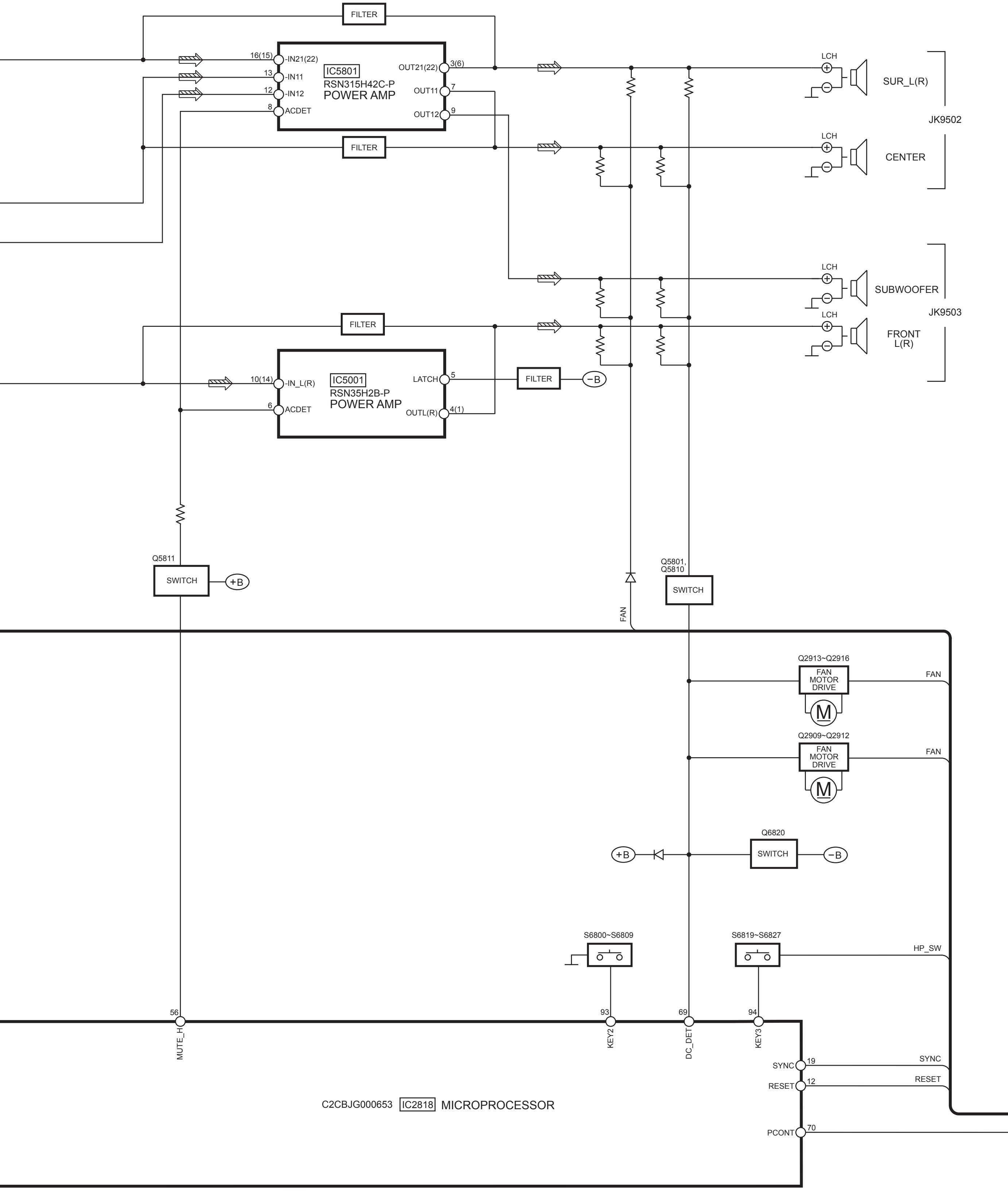

FL6800
FL DISPLAY
P1
P35
6~40
G1
G9
41~49
FROM POWER TRANSFORMER
16~23, 25~51
1~2, 58~64
SEG0
SEG34
DIG2
DIG10
IC6803
C0HBB0000039
FL DRIVER
SCK
/RESET
/CS
SDATA
XIN
XOUT
7
5
6
8
13
12
RM11
UP/DOWN MOTOR
M
RM21
LOADING MOTOR
M
4
2
OUT1
OUT2
IC11
C0GAG0000007
UP/DOWN MOTOR DRIVER
F_IN
R_IN
7
9
4
2
OUT1
OUT2
IC21
C0GAG0000007
LOADING MOTOR DRIVER
F_IN
R_IN
7
9
MODE
HALF
S951
S952
PLLDA
ST/DO
PLLCLK
SD
CE
27
30
28
29
45
42
43
44
23
20
3
2
73
72
TU_SD
TU_SCL
TU_ST/DO
TU_SDA
FLD_CLK
FLD_RST
FLD_CS
FLD_DA
UP/DOWN_F
UP/DOWN_R
OP/CL_FWD
OP/CL_REV
MODE_1
HALF_1
26
PLL_CE
C2CBJG000653
IC2818
MICROPROCESSOR
JOG_A
JOG_B
X_IN
X_OUT
XC_IN
XC_OUT
RMT
76
75
15
13
10
11
18
X6800
X6801
VR6800
JOG VOL
Z6800
REMOTE SENSOR

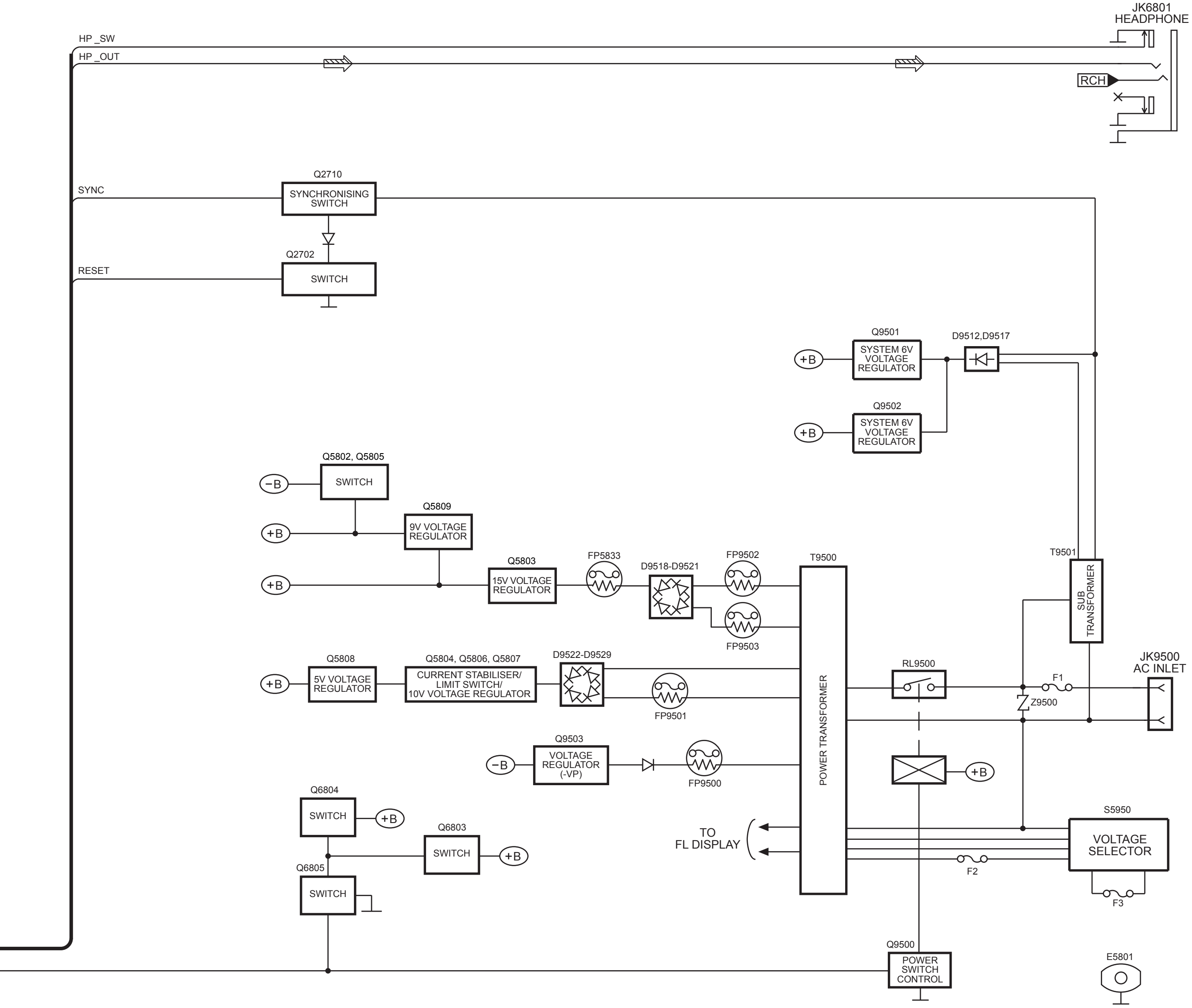

IC1001
AN7348S-E1
P.B EQ/REC AMP/
ALC/TPS AMP
LCH
(DECK 1)
P.B. HEAD
24(23)
1(2)
22(3)
21(4)
20(5)
LCH
(DECK 2)
R/P HEAD
17(8)
18(7)
6
LOGIC L/H
10
19
ALC
16
15
NOR/CrO &
HI/LO LOGIC
14
12
LOGIC
REC/PB
RIPPLE
REJECTION
13
9
11
Q2704
SWITCH
(DECK 2)
ERASE HEAD
L1002
+B
BIAS OSC
CONTROL
Q1004, Q1005,
Q1007
4
2
3
5
Q1003
SWITCHING
(BEAT PROOF/
RECH)
IC1004
C1AA00000612
R/P SELECT
Q1017
MOTOR
SWITCH
M
M1002
Q2703
DECK
MOTOR
SWITCH
+B
Q6800, Q6802
PLUNGER
SUPPLY SWITCH/
PLUNGER:ON/OFF
SWITCH
D951
IC951
CNB13030R2AU
PHOTO
INTERRUPTER
HALF
MODE
RECINH_F
RECINH_R
S972
S971
S975
S974
Z971
INTERFACE
IC971
CNB13030R2AU
PHOTO
INTERRUPTER
Q6801, Q6808
PLUNGER
SUPPLY SWITCH/
PLUNGER:ON/OFF
SWITCH
D971
89
PHOTO_1
91
DECK2
90
PHOTO_2
74
MOTOR
71
REC
78
DECK1_H
79
PLUNGER_1
80
PLUNGER_2
C2CBJG000653
IC2818
MICROPROCESSOR
ST_SW
1
PLAY_SW
100
BOTTOM_SW
22
OPEN_SW
4
CHANGE_SW
21
LEDCONT
85
POSITION
5
S1
STOCK
S2
PLAY
S3
BOTTOM
S4
OPEN
S5
CHANGE
+B
D6809~D6810
Q6811
LED
DRIVE
Q1
PHOTO COUPLER
+B


JK2802
COMPONENT
VIDEO
BLUE
GREEN
YELLOW
RED
CB
Y
VIDEO
CR
JK2801
S.VIDEO OUT
G
Y
G
C
12 CbOUT
13 CyOUT
15 VOUT
11 CrOUT
14 YOUT
16 COUT
IC2006
C9ZB00000466
VIDEO IC
CIN 2
YIN 4
CyIN 6
CbIN 8
CrIN 9
S_C
S_Y
PY
CB_B
CR_R
DVD_CLK
DVD_STAT
DVD_CMD
MIX_MUTE
ZFLAG&AMUTE
A
TO DVD
BLOCK
Q2838
SWITCH
Q2920
MUTING
SWITCH
Q2806
MUTING
SWITCH
IC2803
C0DBEZG00021
REGULATOR
+B
IC9500
C0DAAMH00010
REGULATOR
Q9504
REGULATOR
Q2906
SWITCH
+B
68
DVD_PCNT
47
WIDE1
50
DVD_MUTE
37
DVD_CLK
36
DVD_STAT
35
DVD_CMD
C2CBJG000653
IC2818
MICROPROCESSOR


JK6802
MIC2
JK6800
MIC1
Q6817
LIMITTER
Q6806, Q6807
MIC AMP
78
IC2813
C1BB00001012
KARAOKE IC
76(75)
64(63)
33
32
34
IC2814
KIA4558FEL
DUAL OP-AMP
5(3)
6(2)
7(1)
6(7)
LCIN(R)
IC2800
C1BB00000979
ANALOG SURROUND IC
LOUT(R)
15(14)
COUT
13
SOUT
12
CLOCK
DATA
19
18
Q2813
MUTING SWITCH
JK2803
LINE OUT
Q2814
MUTING SWITCH
8
AIN
IC2817
C1BB00000086
SPEAKER ANALYZER IC
SP_A
SP_B
SP_C
SPE
10
11
12
17
S6810~
S6818
IC2816
C3EBDG000072
E-EPROM
(NOT SUPPLIED)
6
5
4
3
92
KEY1
38
EDA
39
ECLK
40
ECS
54
KA_CLK
53
KA_DAT
52
KA_LAT
55
MUTE_L
65
SP_A
66
SP_B
67
SP_C
95
SPEAN_A/D
24
SS_CLK
25
SS_DA
C2CBJG000653
IC2818
MICROPROCESSOR


JK2803
AUX
65(66) INC1(2)
63(64) INB1(2)
61(62) INFLA(B)
DVDFL(R)
75(76) INCA
DVDCNT
77 INLSA(R)
DVDSL(R)
78(79) IND1(2)
SUBW
80 INSUBA
DVD_MIXL(R)
67(68) IND1(2)
Q2919
MIX_MUTE
MUTING SWITCH
59(60) LOUT1(2)
72(73) EXIN1(2)
6 INCB
7 INLSB
8 INRSB
IC2812
C1BB00000845
ASP IC
OUTLS(R) 25(23)
OUTC 27
OUTSUB 28
FOUT4(3) 41(38)
OUTFL(R) 39(36)
FIN4(3) 40(37)
CL 46
DA 45
??? 32
IC2815
KIA4558FEL
DUAL OP-AMP
6
5
7
2
3
1
IC2819
KIA4558FEL
DUAL OP-AMP
2(6)
3(5)
1(7)
IC2811
C0AABA000009
DUAL OP-AMP
2(6)
3(5)
1(7)
HP_OUT
Q2917
MUTING SWITCH
Q2818
SWITCH
Q2816
MUTING SWITCH
Q2820
SWITCH
Q2823
MUTING SWITCH
Q2825
SWITCH
Q2815
MUTING SWITCH
Q2819
SWITCH
Q2822
MUTING SWITCH
Q6809
SWITCH
Q6810
MUTING SWITCH
49 ASP_CK
48 ASP_DA
82 BASS
59 MUTE_SR
58 MUTE_SUB
60 MUTE_SUB
61 MUTEA
57 HP_MUTE
C2CBJG000653
IC2818
MICROPROCESSOR


FILTER
16(15)
-IN21(22)
13
-IN11
12
-IN12
8
ACDET
IC5801
RSN315H42C-P
POWER AMP
OUT21(22)
3(6)
OUT11
7
OUT12
9
FILTER
LCH
SUR_L(R)
JK9502
LCH
CENTER
LCH
SUBWOOFER
JK9503
LCH
FRONT
L(R)
FILTER
10(14)
-IN_L(R)
IC5001
RSN35H2B-P
POWER AMP
LATCH
5
FILTER
−B
6
ACDET
OUTL(R)
4(1)
Q5811
SWITCH
+B
Q5801,
Q5810
SWITCH
FAN
Q2913~Q2916
FAN
MOTOR
DRIVE
M
FAN
Q2909~Q2912
FAN
MOTOR
DRIVE
M
FAN
Q6820
+B
SWITCH
−B
S6800~S6809
S6819~S6827
HP_SW
56
MUTE_H
93
KEY2
69
DC_DET
94
KEY3
SYNC
19
SYNC
RESET
12
RESET
C2CBJG000653
IC2818
MICROPROCESSOR
PCONT
70


JK6801
HEADPHONE
HP _SW
HP _OUT
RCH
Q2710
SYNC
SYNCHRONISING SWITCH
Q2702
RESET
SWITCH
Q9501
+B
SYSTEM 6V VOLTAGE REGULATOR
D9512,D9517
Q9502
+B
SYSTEM 6V VOLTAGE REGULATOR
Q5802, Q5805
−B
SWITCH
Q5809
+B
9V VOLTAGE REGULATOR
Q5803
FP5833
D9518-D9521
FP9502
T9500
T9501
+B
15V VOLTAGE REGULATOR
FP9503
SUB TRANSFORMER
Q5808
Q5804, Q5806, Q5807
D9522-D9529
RL9500
JK9500
AC INLET
+B
5V VOLTAGE REGULATOR
CURRENT STABILISER/ LIMIT SWITCH/ 10V VOLTAGE REGULATOR
F1
Z9500
FP9501
POWER TRANSFORMER
Q9503
−B
VOLTAGE REGULATOR (-VP)
FP9500
+B
Q6804
SWITCH
+B
Q6803
SWITCH
+B
S5950
TO FL DISPLAY
VOLTAGE SELECTOR
Q6805
SWITCH
F2
F3
Q9500
POWER SWITCH CONTROL
E5801

SIGNAL LINES

⇨ : MAIN SIGNAL LINE
⇨ : FM OSC SIGNAL LINE
⇨ : FM SIGNAL LINE

⇨ : CD SIGNAL LINE
➡ : AM OSC SIGNAL LINE
⇨ : AUX SIGNAL LINE

➡ : AM SIGNAL LINE
⇨ : FM/AM SIGNAL LINE
➡ : CD-DA (AUDIO/VIDEO) SIGNAL LINE

⇨ : PLAYBACK SIGNAL LINE
⇨ : RECORD SIGNAL LINE
⇨ : DVD (AUDIO) SIGNAL LINE
⇨ : DVD (VIDEO) SIGNAL LINE

( ) Indicates the Pin No. of Right Channel.

NOTE : Signal Lines are applicable to the Left Channel only.

Discs that can be played

Disc	Logo	Indication in these operating instructions	Remarks
DVD-RAM	DVD RAM RAM4.7	RAM	Recorded with devices using Version 1.1 of the Video Recording Format (a unified video recording standard) such as DVD video recorders, DVD video cameras, personal computers, etc.
		JPEG	Recorded using the DCF (Design rule for Camera File system) standard. • To play JPEG files, select “Play as Data Disc” in Other Menu.
DVD-Audio	DVD AUDIO	DVD-A	—
		DVD-V	Some DVD-Audio discs contain DVD-Video content. To play DVD-Video content, select “Play as DVD-Video” in Other Menu.
DVD-Video	DVD VIDEO DVD VIDEO	DVD-V	—
DVD-R (DVD-Video) DVD-RW (DVD-Video)	DVD R R4.7 DVD RW		Discs recorded and finalized※ on Panasonic DVD video recorders or DVD video cameras.
+R (Video)/ +RW (Video)	—		Discs recorded and finalized※ on DVD video recorders or DVD video cameras.
Video CD	COMPACT disc DIGITAL VIDEO	VCD	—
SVCD	COMPACT disc SUPER VIDEO		Conforming to IEC62107.
CD	COMPACT disc DIGITAL AUDIO COMPACT disc DIGITAL AUDIO TEXT	CD	This unit is compatible with HDCD, but does not support the Peak Extend function (a function which expands the dynamic range of high level signals). HDCD-encoded CDs sound better because they are encoded with 20 bits, as compared with 16 bits for all other CDs.
CD-R CD-RW	—	WMA MP3 JPEG CD VCD	• This unit can play CD-R/RW (audio recording disc) recorded with the formats on the left. Close the sessions or finalize※ the disc after recording. • **HighMAT discs** WMA, MP3 or JPEG files only. To play without using the HighMAT function, select “Play as Data Disc” in Other Menu. • WMA This unit does not support Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates).

※ A process that allows play on compatible equipment.

- It may not be possible to play the above discs in all cases due to the type of disc or condition of the recording.

■ Discs that cannot be played

DVD-ROM, CD-ROM, CDV, CD-G, SACD, Divx Video Discs and Photo CD, DVD-RAM that cannot be removed from their cartridge, 2.6-GB and 5.2-GB DVD-RAM, and “Chaoji VCD” available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

Playing DVDs and Video CDs

The producer of these discs can control how they are played so you may not always be able to control play as described in these operating instructions (for example if the play time is not displayed or if a Video CD has menus). Read the disc’s instructions carefully.

■ Audio format of DVDs

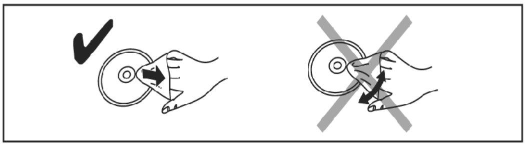
This unit automatically recognizes and decodes discs with these symbols.

DOLBY DIGITAL

DIGITAL dts SURROUND

■ To clean discs

Wipe with a damp cloth and then wipe dry.



■ Disc handling precautions

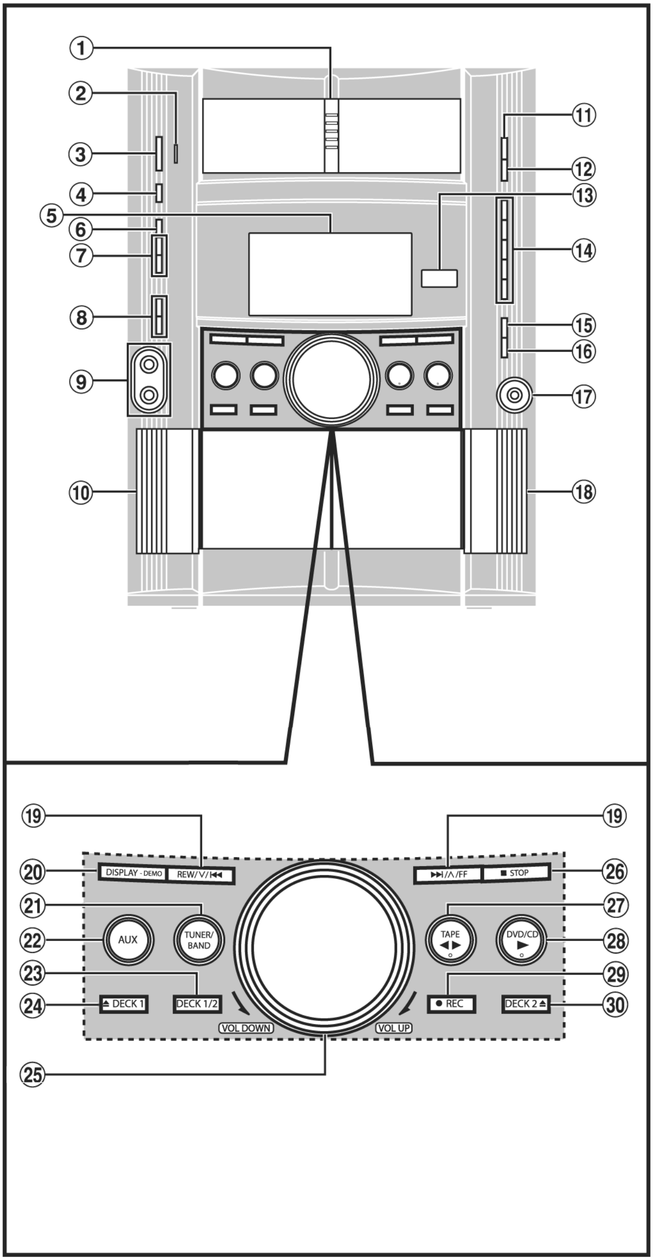
- Do not attach labels or stickers to discs (This may cause disc warping, rendering it unusable).
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not use scratch-proof protectors or covers.
- Do not use the following discs:
  - Discs with exposed adhesive from removed stickers or labels (rented discs, etc).
  - Discs that are badly warped or cracked.
  - Irregularly shaped discs, such as heart shapes.

■ Video systems

- This unit can play PAL and NTSC, but your television must match the system used on the disc.
- PAL discs cannot be correctly viewed on an NTSC television.
- This unit can convert NTSC signals to PAL 60 for viewing on a PAL television.

Control reference guide

Main unit



① **Disc drawer**

② **AC supply indicator [AC IN]**
This indicator lights when the unit is connected to the AC mains supply.

③ **Standby/on switch [⏻/I]**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

④ **Disc check button [DISC CHECK]**

⑤ **Display**

⑥ **Multi Re-master button [MULTI RE-MASTER]**

⑦ **Super surround button [SUPER SURROUND]**
Sound EQ button [SOUND EQ]

⑧ **Microphone volume level buttons [MIC LEVEL DOWN, UP]**

⑨ **Microphone jacks [MIC 1, 2]**

⑩ **Deck 1 cassette holder**

⑪ **Disc tray open/close button [⏏, OPEN/CLOSE]**

⑫ **Disc change button [⏏, DISC CHANGE]**

⑬ **Remote control signal sensor**

⑭ **DVD/CD direct play buttons [1–5]**

⑮ **Super sound EQ button [SUPER SOUND EQ]**

⑯ **Subwoofer button [SUBWOOFER]**

⑰ **Headphone jack [PHONES]**

⑱ **Deck 2 cassette holder**

Center console

⑲ **Disc skip/search/slow-motion play, tape fast-forward/ rewind, tune, time adjust buttons [REW/∨/I◀◀, ▶▶I/∧/FF]**

⑳ **Display mode, demonstration button [DISPLAY –DEMO]**

㉑ **Tuner/band select button [TUNER/BAND]**

㉒ **AUX button [AUX]**

㉓ **Deck 1/2 selection button [DECK 1/2]**

㉔ **Deck 1 open button [⏏ DECK 1]**

㉕ **Volume control [VOL DOWN, VOL UP]**

㉖ **Stop button [■ STOP]**

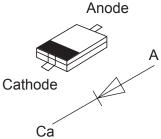
㉗ **Tape play/direction button [◀ ▶, TAPE]**

㉘ **DVD/CD play button [▶, DVD/CD]**

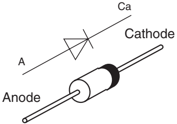
㉙ **Record button [● REC]**

㉚ **Deck 2 open button [DECK 2 ⏏]**

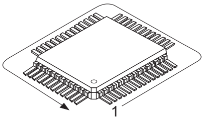
B0ACCK000005
MA2J72800L


Anode
A
Cathode
Ca

B0JAPG000019


Ca
Cathode
A
Anode

C0HBB0000039 (64P)
MN2DS0003APH (256P)
C2CBJG000653 (100P)
C1BB00000845 (56P)
C1BB00000801 (80P)



AN7348S-E1 (24P)
C0FBBK000050 (28P)
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C3ABPG000133 (54P)
KIA4558FEL(8P)
LA1833NMNTLM (24P)
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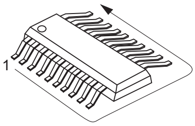

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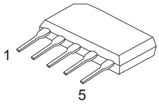

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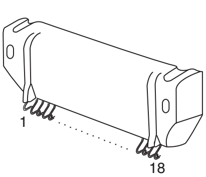

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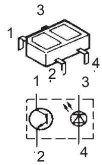

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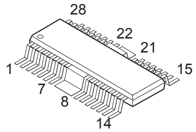
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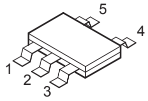

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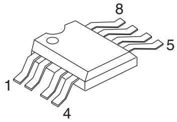

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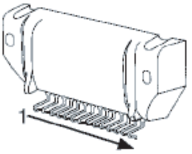

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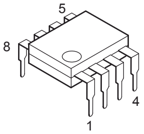

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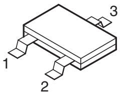

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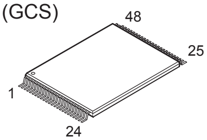
(GCP & GS)
RFKWMH82J160-
(GCS)



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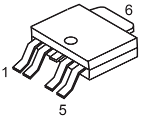

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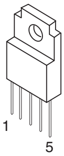

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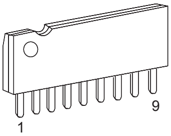

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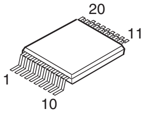

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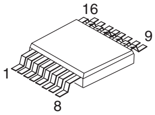

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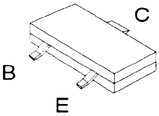
UNR511V00L



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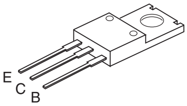

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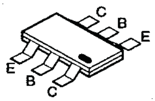

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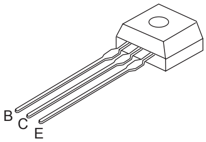

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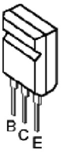

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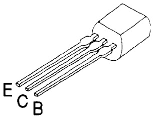

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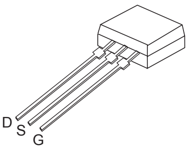

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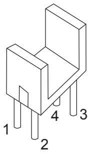

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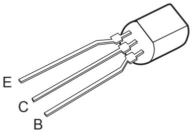

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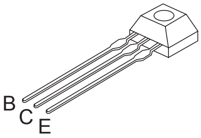

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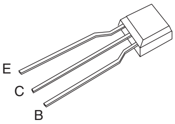

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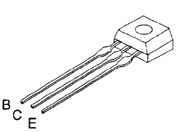

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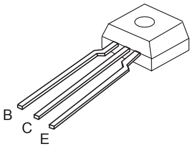

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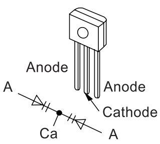
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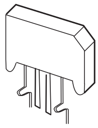
A
Anode
Cathode
Ca
A

B0FBAM000009



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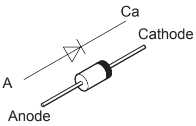
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Cathode
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Anode

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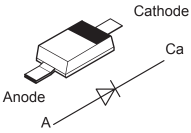
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Ca
Anode
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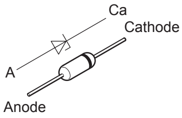
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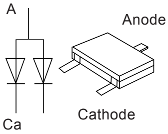
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Cathode

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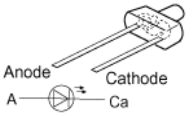
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Cathode
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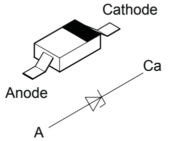
Cathode
Anode
Ca
A

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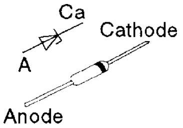
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Cathode
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Anode

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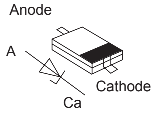
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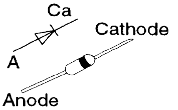

Ca
Cathode
A
Anode

Tips for making WMA/MP3 and JPEG discs (For CD-R, CD-RW)

- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- This unit supports multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.
- When there are more than 8 groups, the eighth group onwards will be displayed on one vertical line in the menu screen.
- There may be differences in the display order on the menu screen and computer screen.
- This unit cannot play files recorded using packet write.

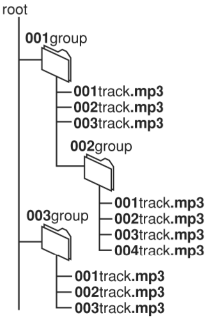
Naming folders and files

Files are treated as contents and folders are treated as groups on this unit.

At the time of recording, prefix folder and file names with 3-digit numbers in the order you want to play them (this may not work at times).

Files must have the extension:
".WMA" or ".wma"
".MP3" or ".mp3"
".JPG", ".jpg", ".JPEG" or ".jpeg"

e.g. MP3



WMA

- You cannot play WMA files that are copy protected.
- This unit does not support Multiple Bit Rate (MBR).

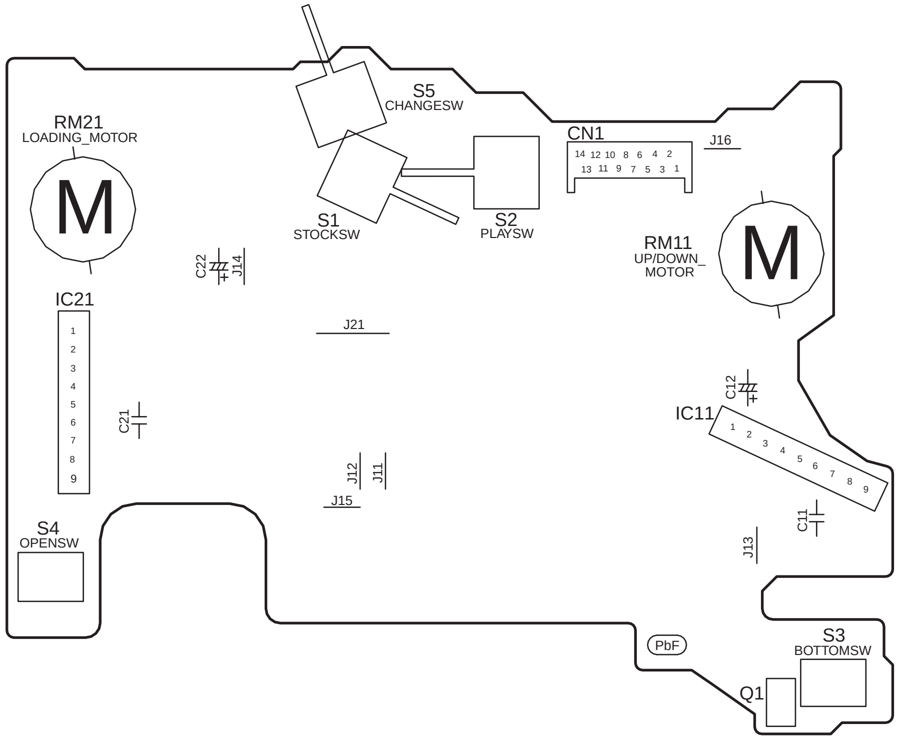
MP3

- This unit is not compatible with ID3 tags.
- Compatible sampling rate: 8, 11.02, 12, 16, 22.05, 24, 32, 44.1 and 48 kHz.

JPEG

- To view JPEG files on this unit:
  - Take them on a digital camera that meets the DCF Standard (Design rule for Camera File system) Version 1.0. Some digital cameras have functions that are not supported by the DCF Standard Version 1.0 like automatic picture rotation which may render a picture unviewable.
  - Do not alter the files in any way or save them under a different name.
- This unit cannot display moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (e.g.: TIFF) or play pictures with attached audio.

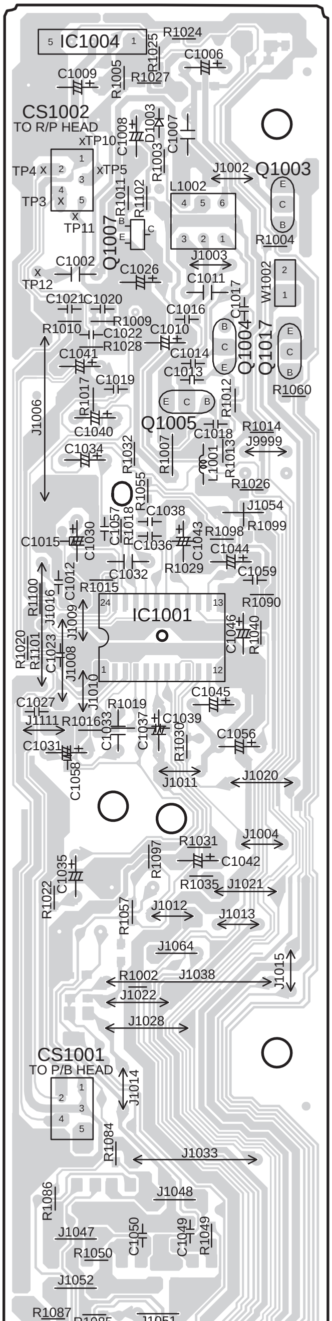
J CD LOADING P.C.B (REP3569A)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
S5
CHANGESW
RM21
LOADING_MOTOR
M
CN1
14 12 10 8 6 4 2
13 11 9 7 5 3 1
J16
S1
STOCKSW
S2
PLAYSW
RM11
UP/DOWN_
MOTOR
M
C22
J14
IC21
1 2 3 4 5 6 7 8 9
J21
C12
IC11
1 2 3 4 5 6 7 8 9
C21
J12
J11
J15
C11
J13
S4
OPENSW
PbF
S3
BOTTOMSW
Q1

A B C D E F G

1 2 3 4 5 6 7 8 9

E DECK P.C.B (REPX0331E)



IC1004
R1024
R1025
C1006
C1009
R1005
R1027
CS1002
TO R/P HEAD
xTP10
C1008
D1003
C1007
R1003
TP4
xTP5
TP3
TP11
J1002
Q1003
L1002
R1011
R1102
Q1007
R1004
C1002
TP12
C1026
J1003
C1011
W1002
C1021
C1020
C1017
C1016
R1009
R1010
C1022
C1010
R1028
C1014
Q1004
Q1017
C1041
C1013
R1060
C1019
J1006
R1017
R1012
C1040
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R1014
J9999
C1034
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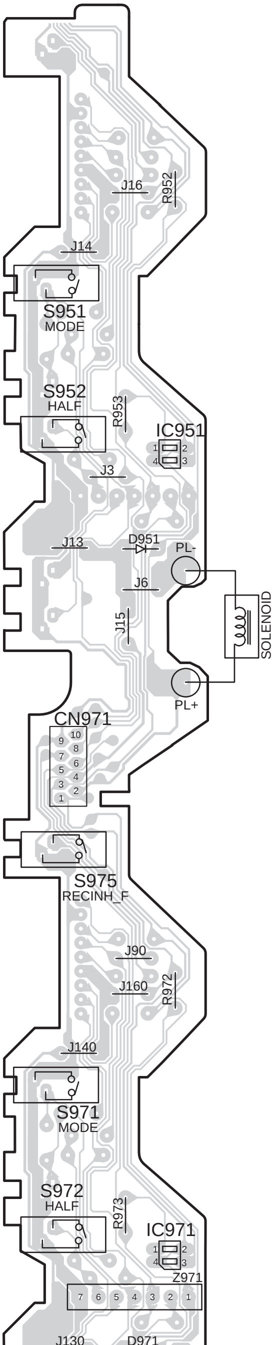
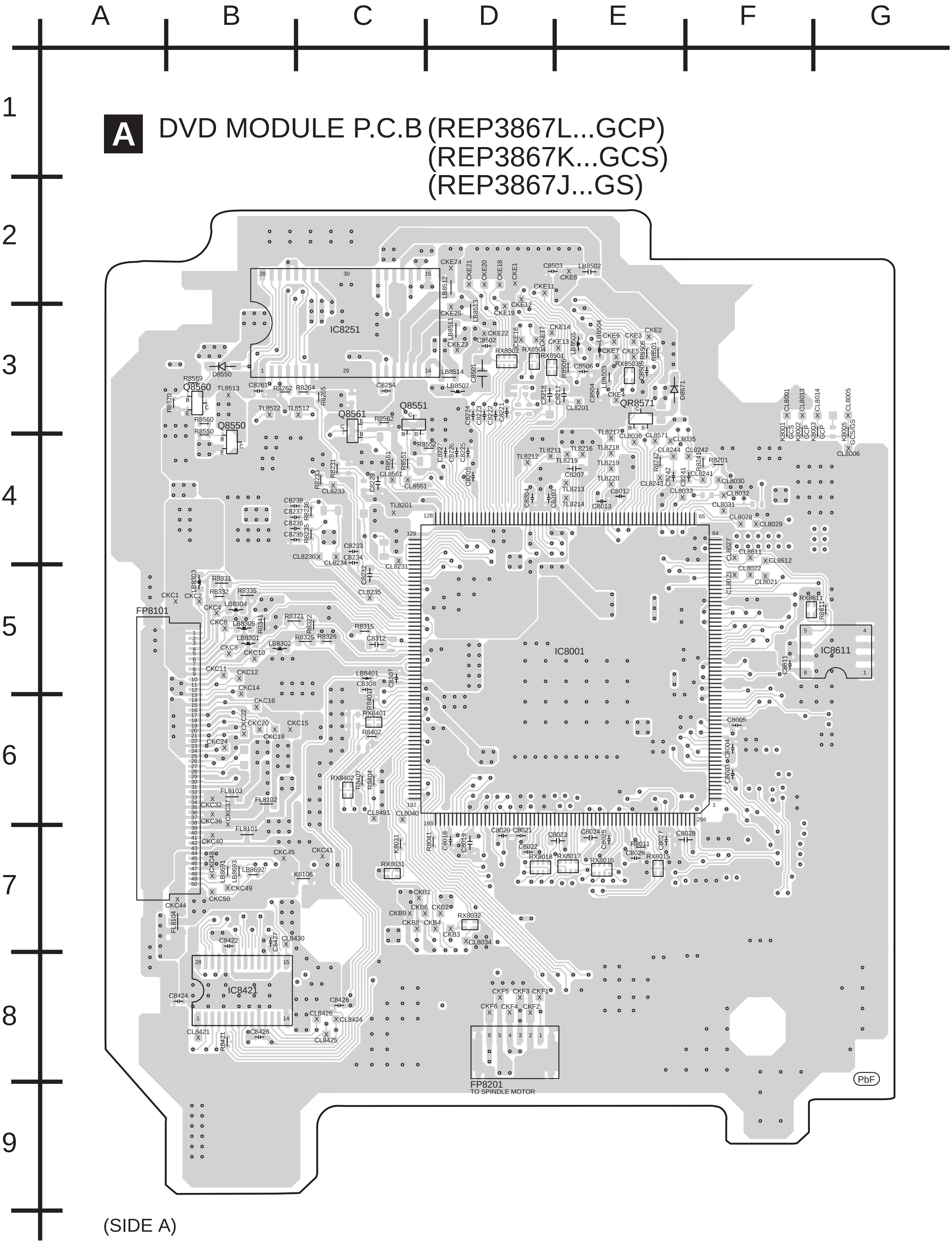
C1032
C1059
R1100
R1015
R1090
J1016
IC1001
J1009
C1046
R1040
R1020
R1101
C1023
J1008
J1010
C1027
C1045
R1019
C1039
J1111
R1016
C1033
C1037
R1030
C1056
C1031
C1058
J1011
J1020
R1031
J1004
R1097
C1042
C1035
R1035
J1021
R1022
R1057
J1012
J1013
J1064
R1002
J1038
J1015
J1022
J1028
CS1001
TO P/B HEAD
J1014
R1084
J1033
R1086
J1048
J1047
C1050
C1049
R1049
R1050
J1052
R1087
R1085
J1051
J1023
R1092
R1091
CN1001
PbF

F DECK MECHANISM P.C.B. (REPX0321B)



J16
R952
J14
S951
MODE
S952
HALF
R953
IC951
J3
J13
D951
PL-
J6
J15
SOLENOID
PL+
CN971
S975
RECINH_F
J90
J160
R972
J140
S971
MODE
S972
HALF
R973
IC971
Z971
J130
D971
PL-
J60
S974
RECINH_R
J150
SOLENOID
PbF
PL+

A DVD MODULE P.C.B (REP3867L...GCP)
(REP3867K...GCS)
(REP3867J...GS)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IC8001
IC8421
IC8611
FP8101
FP8201
TO SPINDLE MOTOR
Q8560
Q8550
Q8561
Q8551
QR8571
D8550
D8571
C8503
LB8502
CKE24
CKE21
CKE20
CKE18
CKE1
CKE6
CKE11
CKE12
CKE19
CKE25
CKE22
CKE23
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CKE17
CKE14
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CKE4
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LB8513
LB8511
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LB8507
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R8569
R8570
R8560
R8550
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R8561
R8551
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TL8522
TL8512
TL8201
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C8226
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C8204
C8203
C8207
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C8012
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TL8212
TL8216
TL8215
TL8213
TL8214
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CL8571
CL8035
CL8244
CL8242
CL8241
CL8243
CL8033
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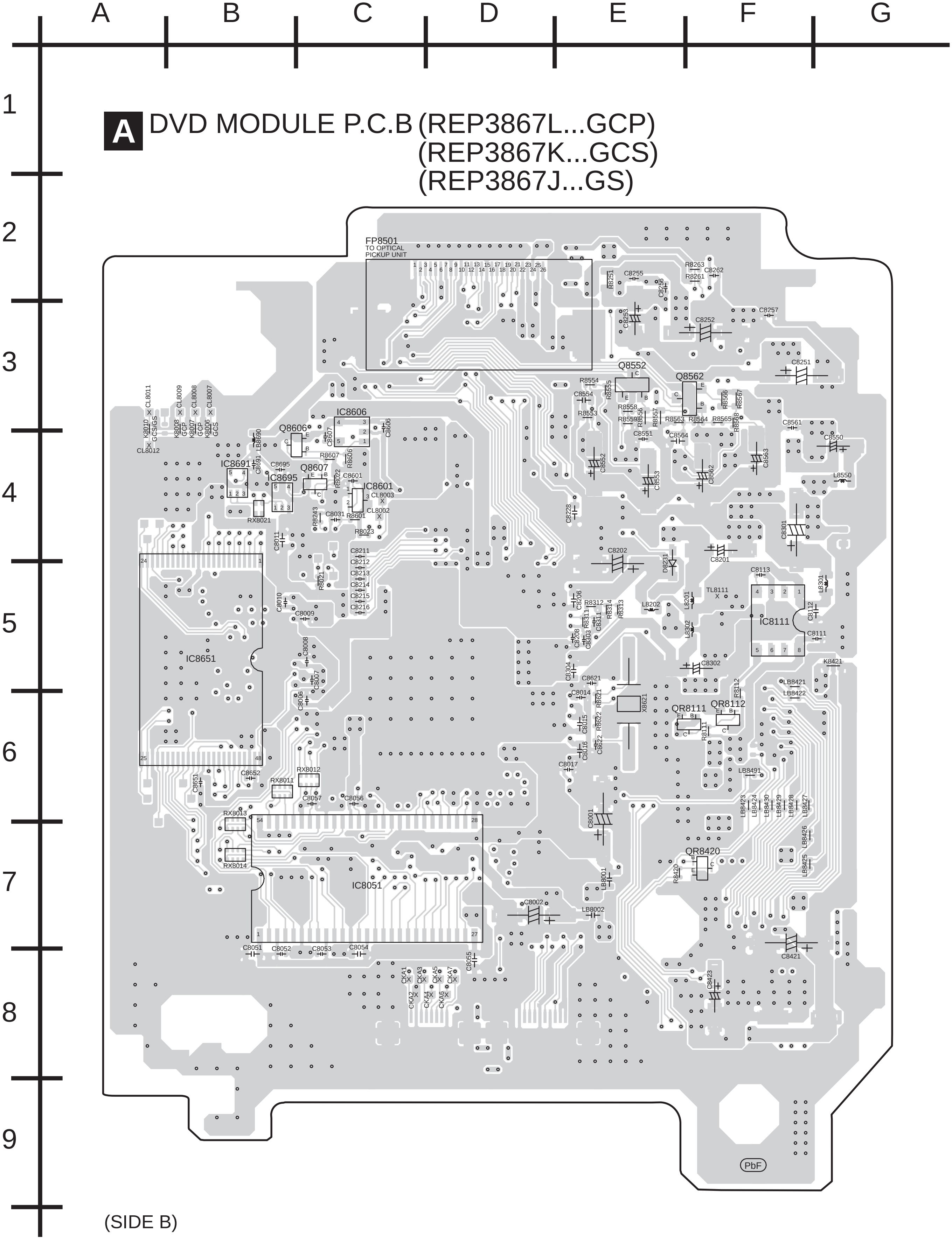
R8201
C8242
C8241
CL8001
CL8013
CL8014
CL8005
CL8006
K8001
K8002
K8003
K8005
GCS
GCP
GCS/GS
CL8233
CL8561
CL8551
R8233
R8231
C8229
C8238
C8237
C8236
C8235
R8236
R8235
CL8236
CL8234
C8233
C8234
CL8231
C8232
CL8235
CL8027
CL8611
CL8612
CL8022
CL8021
CL8023
RX8611
R8611
C8611
C8005
C8004
C8003
R8331
R8332
R8335
LB8303
CKC1
CKC2
CKC4
LB8304
CKC6
LB8305
R8341
R8321
R8322
R8325
R8326
R8315
C8312
LB8301
LB8302
CKC8
CKC10
CKC11
CKC12
CKC14
CKC16
CKC20
CKC22
CKC18
CKC15
CKC24
LB8401
C8308
C8307
R8401
RX8401
R8402
RX8402
R8407
R8404
CL8491
CL8040
FL8103
FL8102
CKC32
CKC37
CKC36
FL8101
CKC40
CKC45
CKC41
CKC48
LB8691
LB8693
LB8692
CKC49
CKC50
K8106
CKC44
FL8104
K8031
RX8031
R8041
C8018
C8019
C8020
C8021
C8022
C8023
C8024
C8025
C8026
C8027
C8028
R8011
RX8018
RX8017
RX8016
RX8015
CKB1
CKB6
CKB2
CKB9
CKB8
CKB4
CKB3
RX8032
CL8034
C8422
C8427
CL8430
C8424
C8428
CL8426
CL8424
CL8421
R8421
C8426
CL8425
CKF5
CKF3
CKF1
CKF6
CKF4
CKF2
PbF

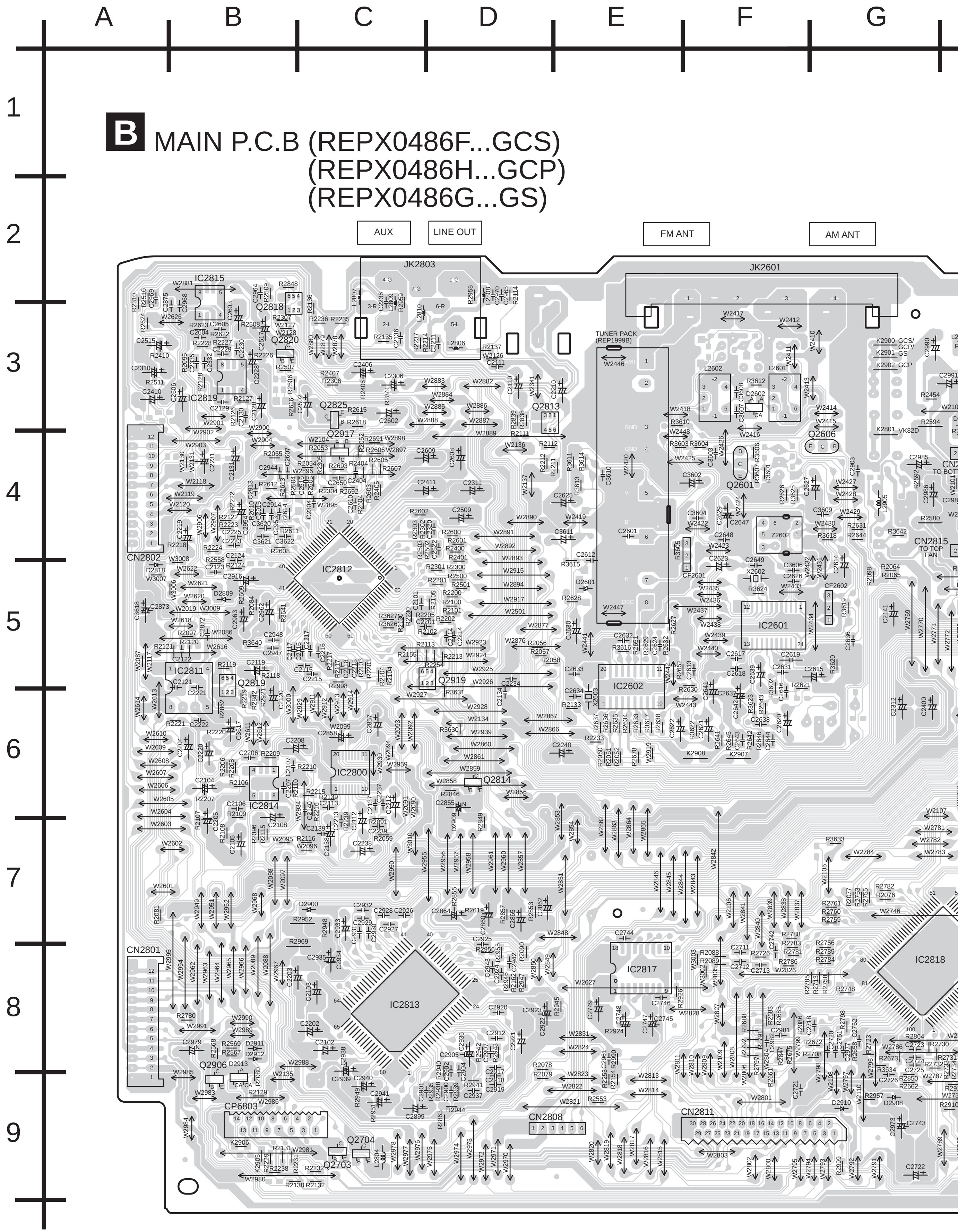
(SIDE A)

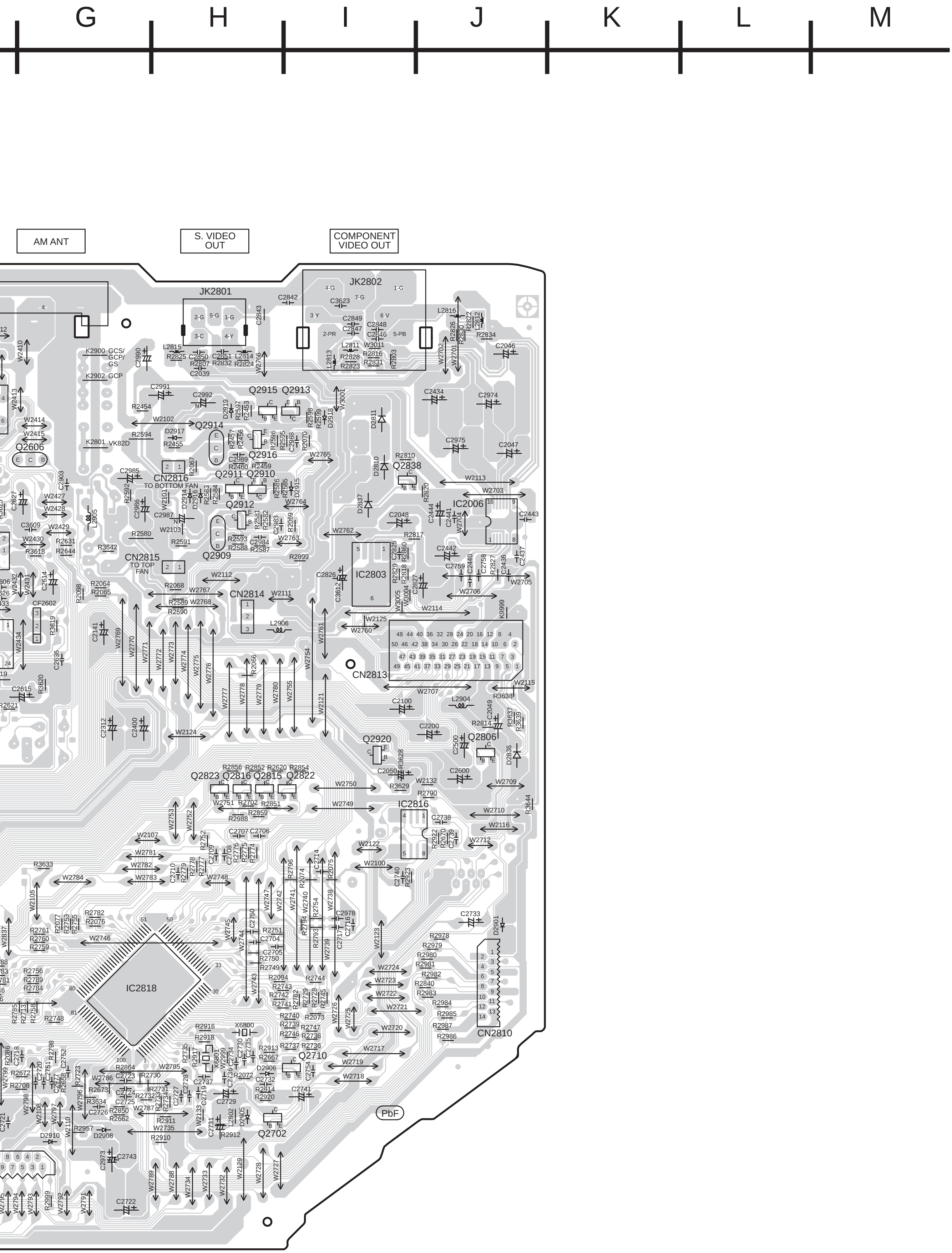
A DVD MODULE P.C.B (REP3867L...GCP)
(REP3867K...GCS)
(REP3867J...GS)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
FP8501
TO OPTICAL
PICKUP UNIT
R8251
C8255
C8256
R8263
R8261
C8262
C8253
C8252
C8257
C8251
Q8552
R8554
R8555
C8554
R8553
R8558
R8556
R8559
R8557
C8551
Q8562
R8563
R8564
R8565
R8566
R8567
R8568
C8564
C8561
C8550
C8552
C8553
C8562
C8563
L8550
C8228
C8301
C8202
D8231
C8201
C8113
L8301
C8206
R8312
R8311
R8314
R8313
L8202
L8201
TL8111
L8302
IC8111
C8112
C8111
C8208
C8303
C8302
C8304
C8621
C8014
R8621
X8621
R8112
QR8111
QR8112
R8111
C8015
C8016
R8622
C8622
C8017
K8421
LB8421
LB8422
LB8491
LB8423
LB8424
LB8430
LB8429
LB8428
LB8427
LB8426
LB8425
C8001
LB8001
QR8420
R8420
C8002
LB8002
C8421
C8423
CL8011
K8010
GCS/GS
CL8009
K8008
GCP
CL8008
K8007
GCP
CL8007
K8006
GCS
CL8012
LB8690
IC8691
C8691
C8695
IC8695
RX8021
Q8606
C8607
IC8606
C8606
R8607
R8606
Q8607
R8022
C8601
IC8601
CL8003
CL8002
R8601
R8243
C8031
R8023
C8011
C8211
C8212
C8213
C8214
C8215
C8216
R8021
C8010
C8009
C8008
C8007
C8006
IC8651
C8652
C8651
RX8011
RX8012
C8057
C8056
RX8013
RX8014
IC8051
C8051
C8052
C8053
C8054
C8055
CKA1
CKA2
CKA3
CKA4
CKA5
CKA6
CKA7
PbF

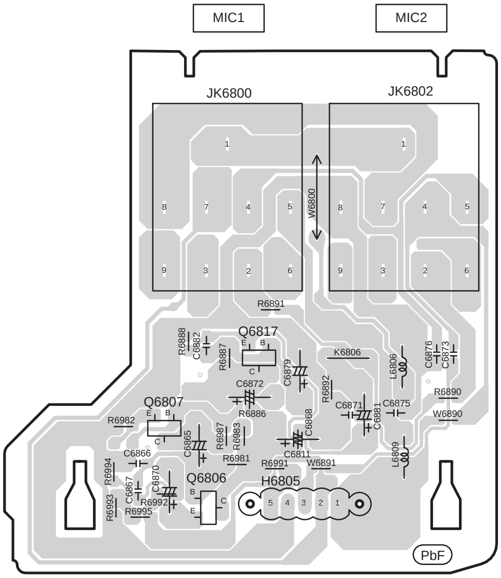
(SIDE B)

B MAIN P.C.B (REPX0486F...GCS)
(REPX0486H...GCP)
(REPX0486G...GS)

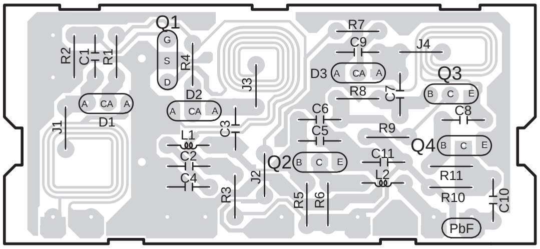

A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
AUX
LINE OUT
FM ANT
AM ANT
JK2803
JK2601
TUNER PACK
(REP1999B)
IC2815
IC2819
IC2812
IC2811
IC2814
IC2800
IC2813
IC2817
IC2818
IC2601
IC2602
Q2818
Q2820
Q2825
Q2917
Q2813
Q2819
Q2919
Q2814
Q2906
Q2704
Q2703
Q2606
Q2601
CN2802
CN2801
CN2808
CN2811
CN2815
TO TOP
FAN
TO BOT
CP6803
L2602
L2601
D2602
Z2602
X2602
CF2601
CF2602
K2900 GCS/GCP/GS
K2901 GCS
K2902 GCP
K2801 VK82D
K2906
K2908
K2907
ANT
GND
V+
B+
IF
OSC


G
H
I
J
K
L
M
AM ANT
S. VIDEO OUT
COMPONENT VIDEO OUT
JK2801
JK2802
K2900 GCS/ GCP/ GS
K2902 GCP
K2801 VK82D
Q2606
Q2909
Q2910
Q2911
Q2912
Q2913
Q2914
Q2915
Q2916
CN2816 TO BOTTOM FAN
CN2815 TO TOP FAN
CN2814
CN2813
CF2602
IC2803
IC2006
Q2838
Q2920
Q2806
Q2823
Q2816
Q2815
Q2822
IC2816
IC2818
CN2810
Q2710
Q2702
X6800
PbF

D MIC P.C.B (REPX0487A)

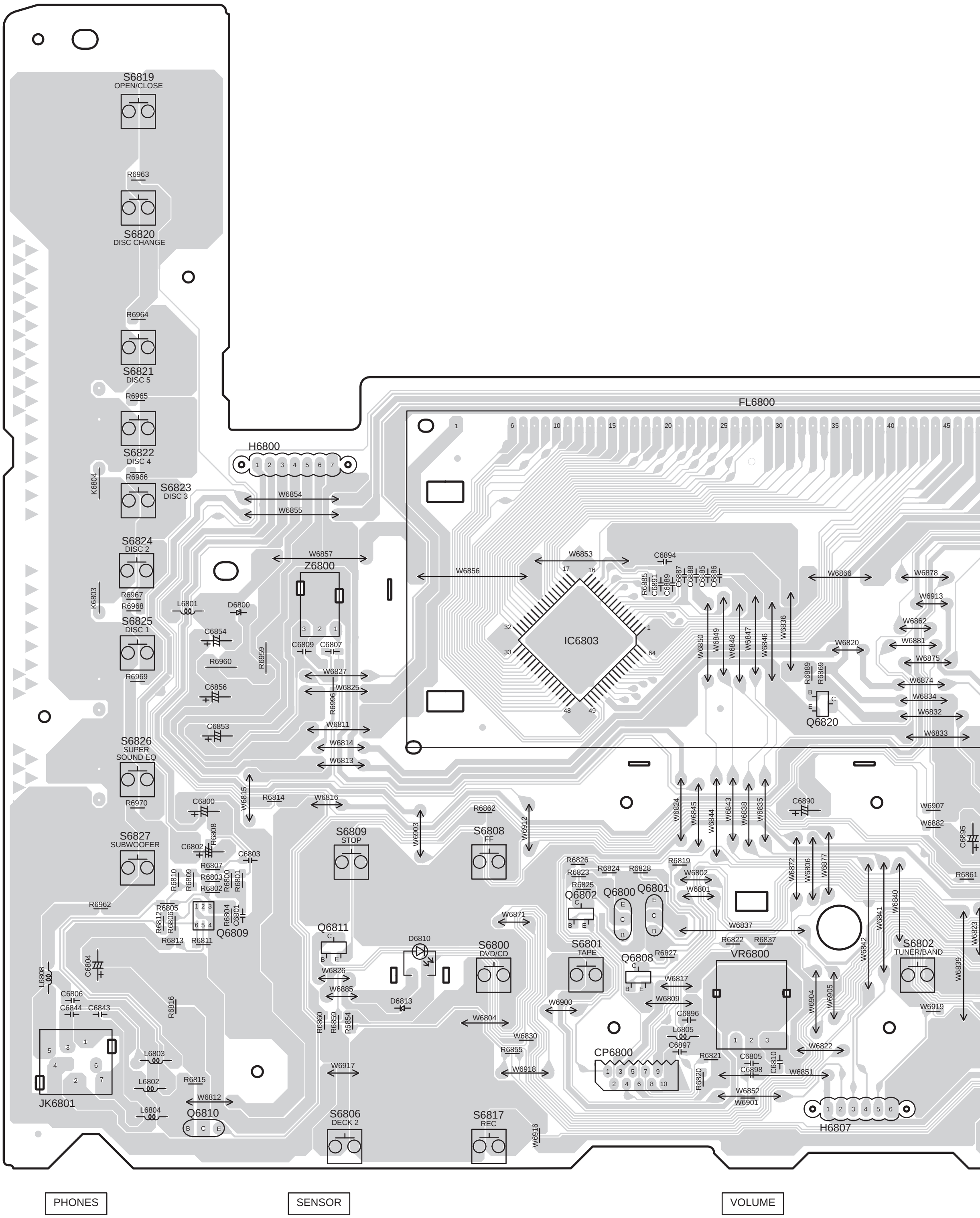

MIC1
MIC2
JK6800
JK6802
W6800
R6891
R6888
C6882
Q6817
R6887
K6806
L6806
C6876
C6873
C6879
C6872
R6892
R6890
W6890
Q6807
R6982
R6886
C6871
C6875
C6881
C6868
C6865
R6987
R6983
C6866
R6981
R6991
C6811
W6891
L6809
R6994
C6867
C6870
Q6806
H6805
R6992
R6993
R6995
PbF

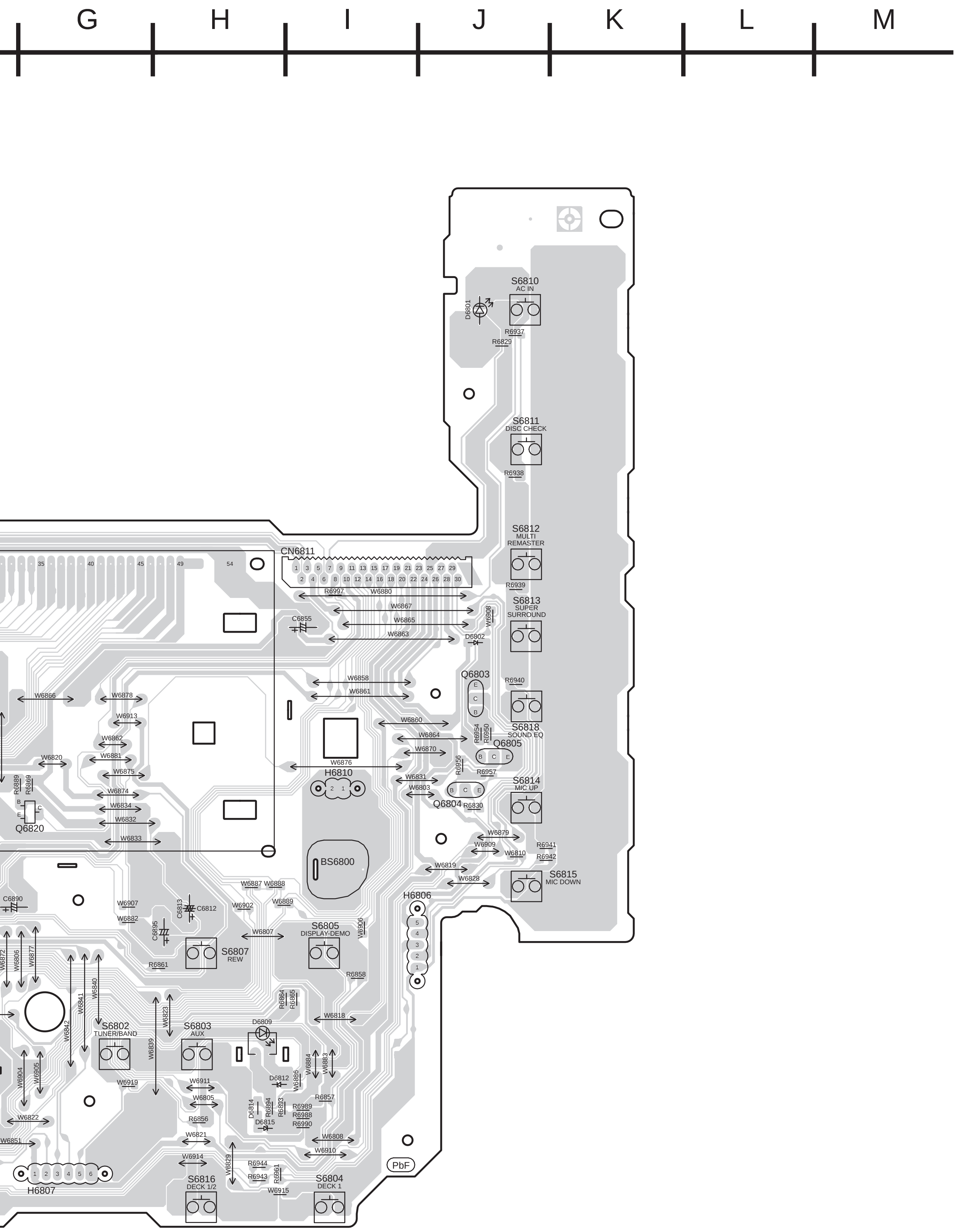
K TUNER PACK P.C.B (REP1999B)


Q1
R7
C9
J4
R2
C1
R1
R4
J3
D3
Q3
D2
R8
C7
D1
J1
C6
C8
C3
R9
C5
L1
C2
C11
Q4
Q2
C4
L2
J2
R11
R3
R5
R6
R10
C10
PbF

A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9

C PANEL P.C.B (REPX0487A)

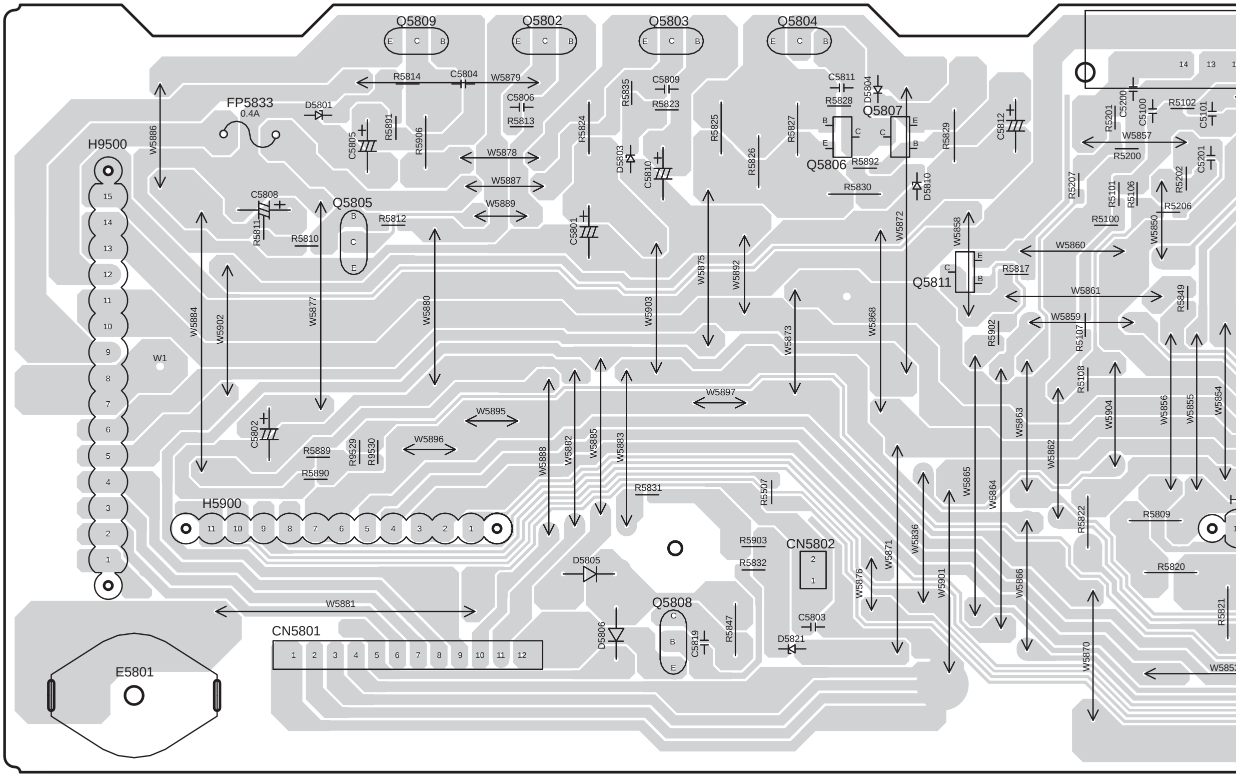

S6819
OPEN/CLOSE
R6963
S6820
DISC CHANGE
R6964
S6821
DISC 5
R6965
S6822
DISC 4
R6966
S6823
DISC 3
K6804
S6824
DISC 2
K6803
R6967
R6968
S6825
DISC 1
R6969
S6826
SUPER
SOUND EQ
R6970
S6827
SUBWOOFER
R6962
L6808
C6804
C6806
C6844
C6843
JK6801
L6803
L6802
L6804
R6816
R6815
W6812
Q6810
H6800
W6854
W6855
W6857
Z6800
L6801
D6800
C6854
R6960
R6959
C6809
C6807
C6856
W6827
W6825
R6996
C6853
W6811
W6814
W6813
W6815
R6814
W6816
C6800
C6802
R6808
C6803
R6807
R6803
R6802
R6800
R6801
R6810
R6809
R6805
R6812
R6806
R6804
C6801
R6813
R6811
Q6809
S6809
STOP
W6903
R6862
S6808
FF
W6912
Q6811
D6810
W6826
W6885
D6813
R6860
R6859
R6854
W6917
S6806
DECK 2
S6800
DVD/CD
W6871
W6804
W6830
R6855
W6918
S6817
REC
W6916
W6900
FL6800
W6856
W6853
IC6803
C6894
R6885
C6891
C6889
C6887
C6888
C6885
C6886
W6850
W6849
W6848
W6847
W6846
W6836
W6866
W6878
W6913
W6862
W6881
W6875
W6874
W6834
W6832
W6833
W6820
R6889
R6869
Q6820
W6824
W6845
W6844
W6843
W6838
W6835
C6890
W6907
W6882
C6895
R6861
R6826
R6823
R6825
R6824
R6828
R6819
W6802
W6801
Q6802
Q6800
Q6801
S6801
TAPE
Q6808
R6827
W6817
W6809
W6837
R6822
R6837
VR6800
C6896
L6805
C6897
CP6800
R6821
C6805
C6898
C6810
R6820
W6851
W6852
W6901
W6822
W6872
W6806
W6877
W6842
W6841
W6840
W6904
W6905
S6802
TUNER/BAND
W6919
W6839
R6823
H6807
PHONES
SENSOR
VOLUME


G
H
I
J
K
L
M
S6810
AC IN
D6801
R6937
R6829
S6811
DISC CHECK
R6938
S6812
MULTI
REMASTER
R6939
CN6811
35
40
45
49
54
R6997
W6880
W6867
W6865
W6863
C6855
W6908
S6813
SUPER
SURROUND
D6802
Q6803
R6940
W6858
W6861
W6866
W6878
W6913
W6862
W6881
W6820
W6875
W6874
W6834
W6832
W6833
R6889
R6869
Q6820
W6860
W6864
W6870
W6876
H6810
W6831
W6803
R6954
R6950
S6818
SOUND EQ
Q6805
R6956
R6957
S6814
MIC UP
Q6804
R6830
W6879
W6909
W6810
R6941
R6942
W6819
W6828
S6815
MIC DOWN
BS6800
H6806
C6890
W6907
W6882
C6813
C6812
C6895
W6887
W6888
W6902
W6889
W6807
S6805
DISPLAY-DEMO
W6906
S6807
REW
R6861
R6858
W6872
W6806
W6877
W6841
W6840
W6842
W6823
W6839
R6864
R6865
W6818
S6802
TUNER/BAND
S6803
AUX
D6809
W6884
W6883
W6904
W6905
W6919
W6911
D6812
W6886
R6857
W6805
D6814
R6894
R6893
R6989
R6988
R6990
D6815
W6822
R6856
W6851
W6821
W6808
W6910
W6914
W6829
R6944
R6943
R6961
W6915
PbF
H6807
S6816
DECK 1/2
S6804
DECK 1

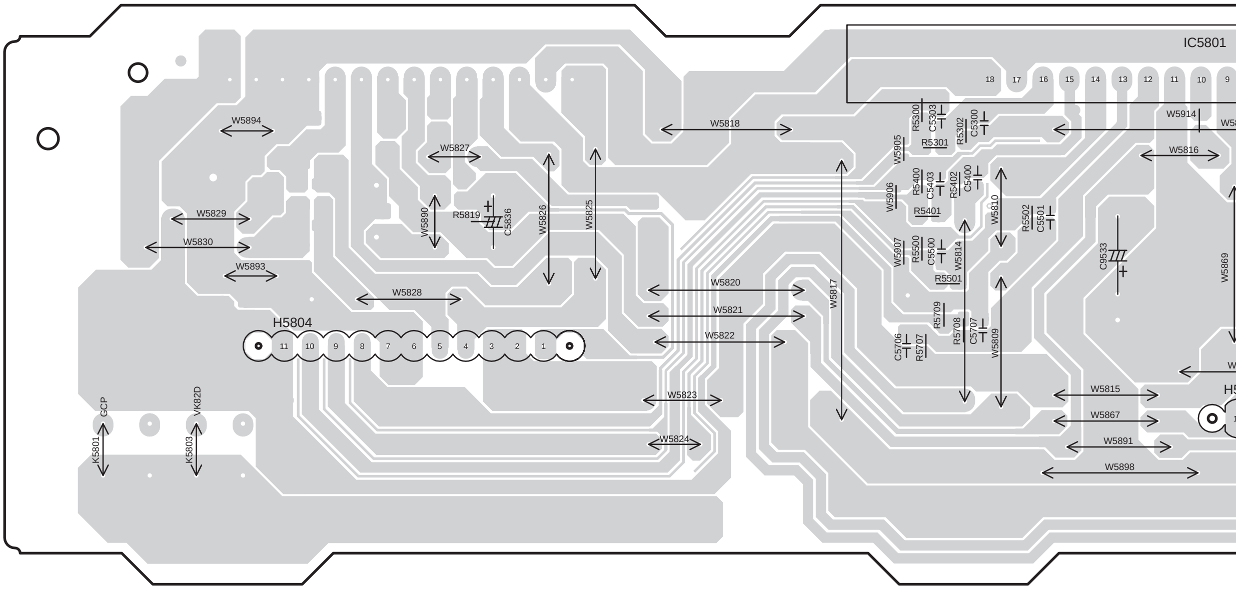
A B C D E F G

1 2 3 4 5 6 7 8 9

G POWER P.C.B (REPX0488B)


Q5809
Q5802
Q5803
Q5804
E C B
R5814
C5804
W5879
C5806
R5813
C5809
R5823
R5835
C5811
R5828
D5804
Q5807
FP5833
0.4A
D5801
W5886
H9500
C5805
R5891
R5906
R5824
R5825
R5826
R5827
R5829
Q5806
R5892
R5830
D5810
C5812
D5803
C5810
W5878
W5887
W5889
C5808
R5811
Q5805
R5812
R5810
C5801
W5875
W5892
W5872
W5858
Q5811
R5817
W5884
W5902
W5877
W5880
W5903
W5873
W5868
R5902
W1
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
C5802
R5889
R5890
R9529
R9530
W5896
W5895
W5897
W5888
W5882
W5885
W5883
R5831
R5507
H5900
D5805
R5903
R5832
CN5802
W5876
W5871
W5836
W5901
W5865
W5864
W5866
Q5808
D5806
C5819
R5847
C5803
D5821
W5881
CN5801
E5801
R5201
C5200
C5100
R5102
C5101
W5857
R5200
R5207
R5101
R5106
R5202
C5201
R5206
R5100
W5850
W5860
W5861
R5849
W5859
R5107
R5108
W5863
W5862
W5904
W5856
W5855
W5854
R5822
R5809
R5820
R5821
W5870
W5853

H POWER AMP P.C.B (REPX0488B)


IC5801
18
17
16
15
14
13
12
11
10
9
W5894
W5818
W5914
W5816
W5827
W5829
W5830
W5893
W5890
R5819
C5836
W5826
W5825
W5828
H5804
11
10
9
8
7
6
5
4
3
2
1
W5820
W5821
W5822
W5817
W5823
W5824
GCP
K5801
VK82D
K5803
R5300
C5303
R5301
R5302
C5300
W5905
W5906
R5400
C5403
R5402
C5400
R5401
W5810
R5502
C5501
W5907
R5500
C5500
W5814
R5501
C9533
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R5708
C5707
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C5706
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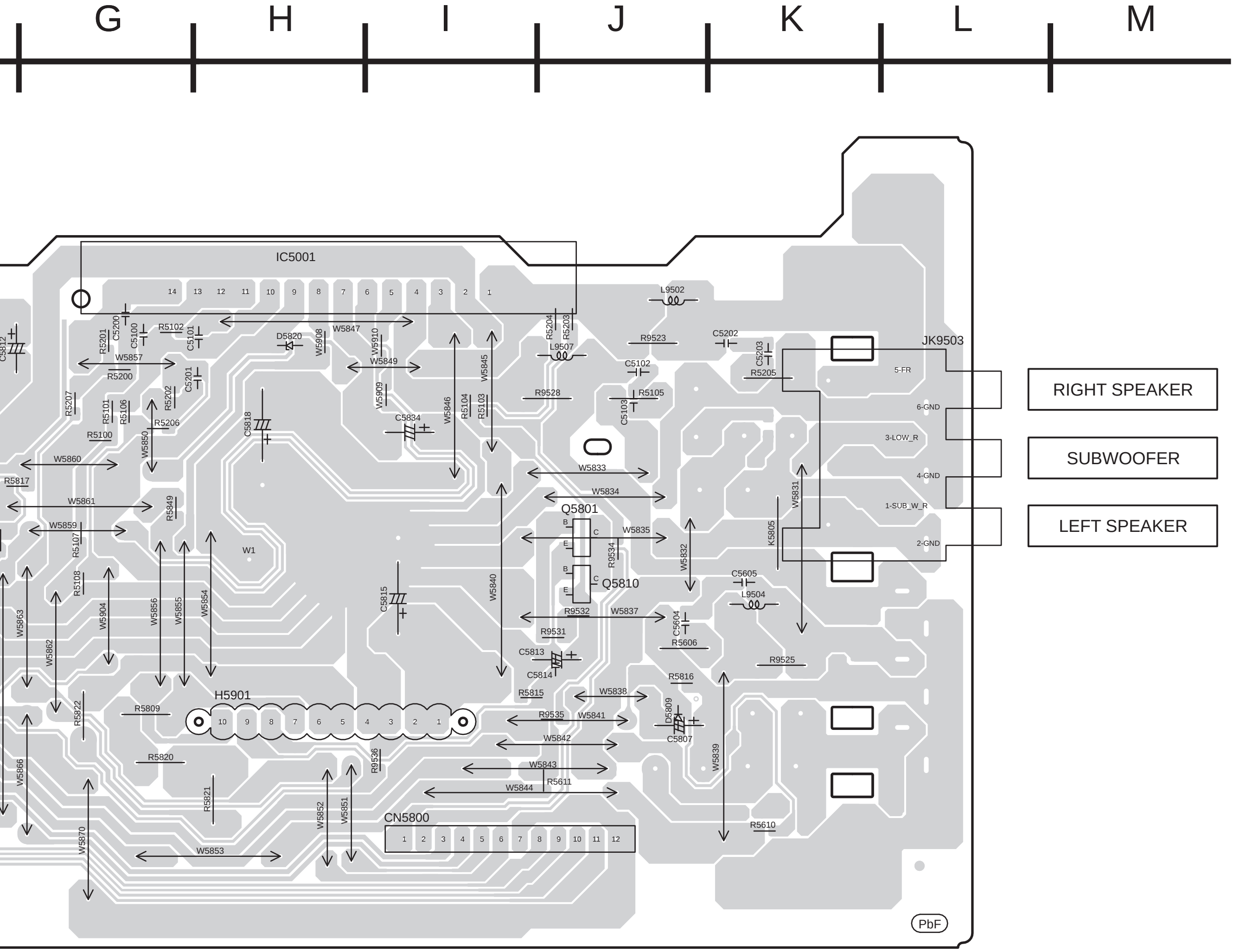
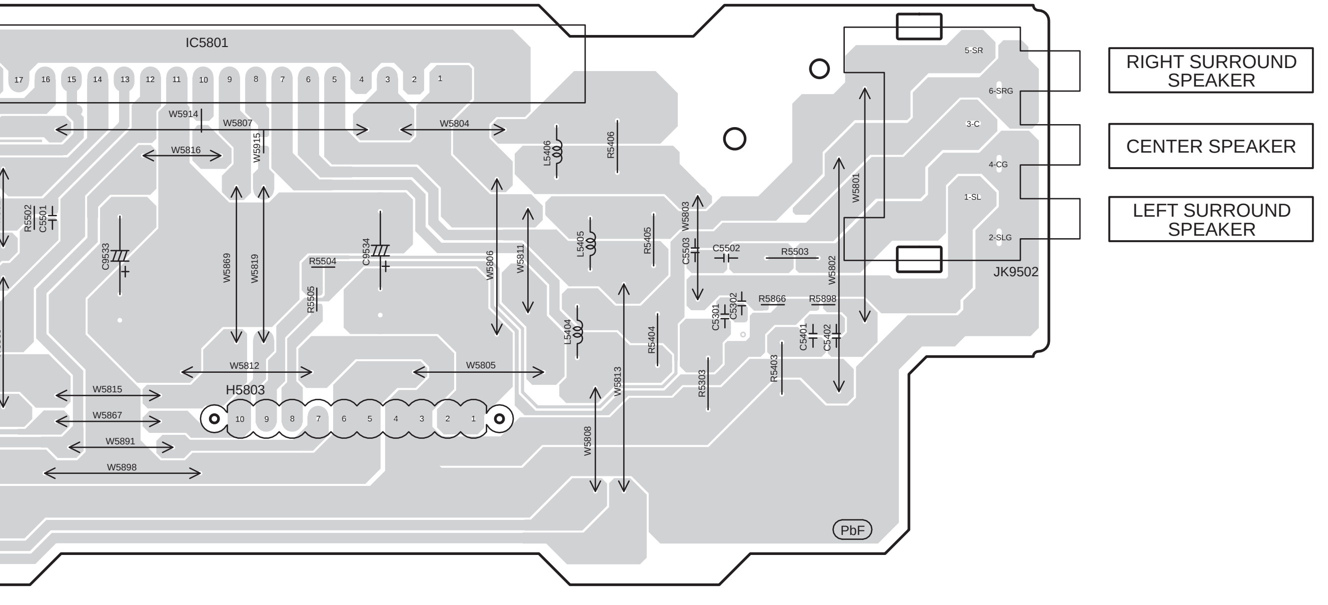
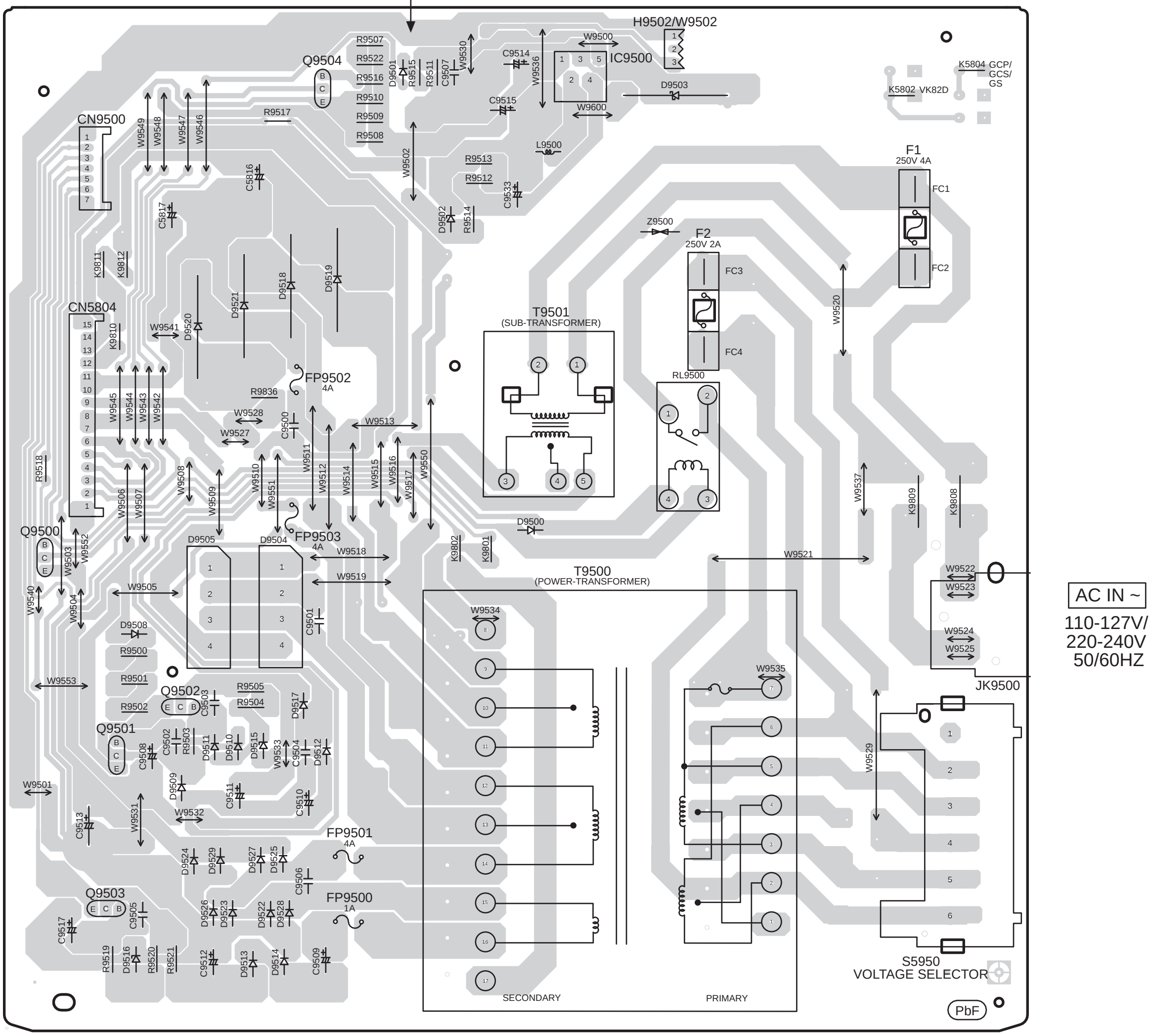
W5815
W5867
W5891
W5898


G
H
I
J
K
L
M
IC5001
JK9503
5-FR
6-GND
3-LOW_R
4-GND
1-SUB_W_R
2-GND
RIGHT SPEAKER
SUBWOOFER
LEFT SPEAKER
Q5801
Q5810
H5901
CN5800
L9502
L9507
L9504
D5820
D5809
W1
PbF

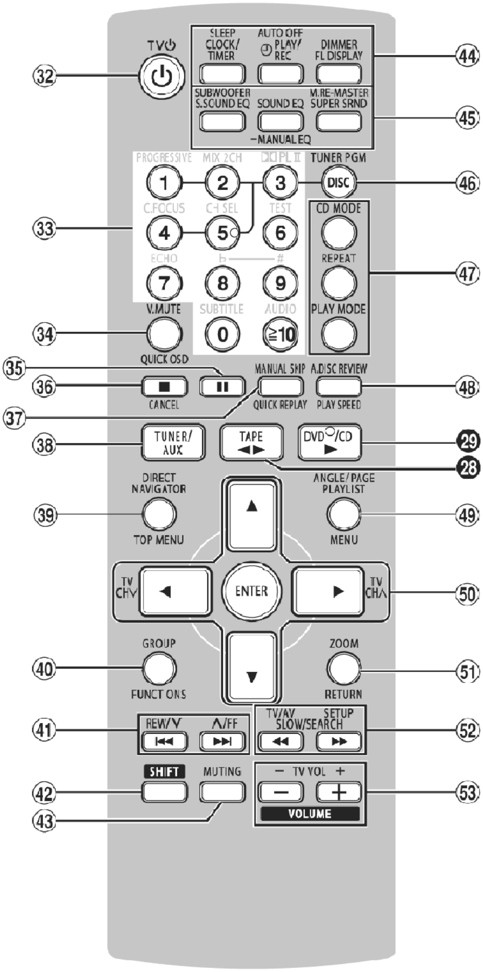

IC5801
JK9502
5-SR
6-SRG
3-C
4-CG
1-SL
2-SLG
RIGHT SURROUND SPEAKER
CENTER SPEAKER
LEFT SURROUND SPEAKER
H5803
L5406
L5405
L5404
PbF

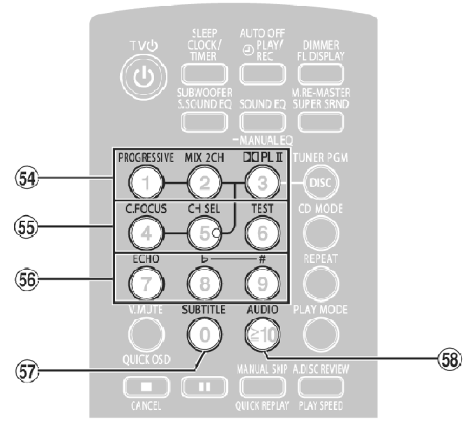
I TRANSFORMER P.C.B (REPX0489A)

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE.
PLEASE DO NOT TOUCH THIS P.C.B


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
H9502/W9502
Q9504
IC9500
W9500
W9600
D9503
K5804 GCP/GCS/GS
K5802 VK82D
CN9500
CN5804
R9507
R9522
R9516
R9510
R9509
R9508
R9517
C9514
C9515
L9500
R9513
R9512
C9533
D9502
R9514
W9502
Z9500
F1
250V 4A
FC1
FC2
F2
250V 2A
FC3
FC4
T9501
(SUB-TRANSFORMER)
RL9500
W9520
W9537
K9809
K9808
FP9502
4A
FP9503
4A
R9836
W9528
W9527
W9513
W9518
W9519
D9505
D9504
D9500
K9802
K9801
W9521
T9500
(POWER-TRANSFORMER)
W9534
W9535
W9522
W9523
W9524
W9525
JK9500
W9529
S5950
VOLTAGE SELECTOR
Q9500
Q9501
Q9502
Q9503
W9505
W9553
W9501
W9540
D9508
R9500
R9501
R9502
R9505
R9504
R9503
W9531
W9532
FP9501
4A
FP9500
1A
R9519
R9520
R9521
R9518
SECONDARY
PRIMARY
PbF
AC IN ~
110-127V/
220-240V
50/60HZ

Remote control


TV⏻
SLEEP CLOCK/ TIMER
AUTO OFF ◷ PLAY/ REC
DIMMER FL DISPLAY
SUBWOOFER S.SOUND EQ
SOUND EQ
M.RE-MASTER SUPER SRND
–MANUAL EQ
PROGRESSIVE
MIX 2CH
▯▯PL II
TUNER PGM
DISC
C.FOCUS
CH SEL
TEST
CD MODE
ECHO
♭
#
REPEAT
V.MUTE
SUBTITLE
AUDIO
PLAY MODE
QUICK OSD
1
2
3
4
5
6
7
8
9
0
≧10
MANUAL SKIP
A.DISC REVIEW
CANCEL
QUICK REPLAY
PLAY SPEED
TUNER/ AUX
TAPE
DVD/CD
DIRECT NAVIGATOR
ANGLE/PAGE PLAYLIST
TOP MENU
MENU
TV CH∨
ENTER
TV CH∧
GROUP
ZOOM
FUNCTIONS
RETURN
REW/∨
∧/FF
TV/AV
SETUP
SLOW/SEARCH
SHIFT
MUTING
– TV VOL +
VOLUME
㉜
㉝
㉞
㉟
㊱
㊲
㊳
㊴
㊵
㊶
㊷
㊸
㊹
㊺
㊻
㊼
㊽
㊾
㊿
(51)
(52)
(53)
㉙
㉘


PROGRESSIVE
MIX 2CH
▯▯PL II
C.FOCUS
CH SEL
TEST
ECHO
♭
#
SUBTITLE
AUDIO
(54)
(55)
(56)
(57)
(58)

Buttons such as ㉗ function in exactly the same way as the buttons on the main unit.

㉛ **Standby/on, TV power on/off button [⏻, TV⏻]**

㉜ **Numbered buttons [0 – 9, ≧10] [QUICK OSD, V.MUTE]**

㉝ **Quick OSD, Vocal mute button**

㉞ **Pause button [❚❚]**

㉟ **Stop, Cancel button [■, CANCEL]**

㊱ **Manual skip, Quick replay button [MANUAL SKIP, QUICK REPLAY]**

㊲ **Tuner/aux button [TUNER/AUX]**

㊳ **Top menu, Direct navigator button [TOP MENU, DIRECT NAVIGATOR]**

㊴ **Functions, Group button [FUNCTIONS, GROUP]**

㊵ **Disc skip, tape fast-forward/rewind, preset channel select, time adjust buttons [|◀◀, REW/∨, ▶▶|, ∧/FF]**

㊶ **Shift button [SHIFT]**

To use functions labeled in orange:
While pressing [SHIFT], press the corresponding button.

㊷ **Muting button [MUTING]**

㊸ **Clock/timer, Sleep timer button [CLOCK/TIMER, SLEEP]**

Play/record timer, Auto off button [◷PLAY/REC, AUTO OFF]

FL display, Dimmer button [FL DISPLAY, DIMMER]

㊹ **Super Sound EQ, Subwoofer button [S.SOUND EQ, SUBWOOFER]**

Sound EQ, Manual EQ button [SOUND EQ, –MANUAL EQ]

Super surround, Multi Re-master button [SUPER SRND, M.RE-MASTER]

㊺ **Disc select, Tuner program button [DISC, TUNER PGM]**

㊻ **CD mode button [CD MODE]**

Repeat button [REPEAT]

Play mode button [PLAY MODE]

㊼ **Advanced disc review, Play speed button [A.DISC REVIEW, PLAY SPEED]**

㊽ **Menu, Playlist, Angle/Page button [MENU, PLAYLIST, ANGLE/PAGE]**

㊾ **Cursor buttons [▲,▼,◀, ▶], Enter button [ENTER]**

These buttons have the following functions.
[◀, ▶] : TV channel select buttons [TV CH∨, TV CH∧]

㊿ **Return, Zoom button [RETURN, ZOOM]**

(51) **Slow/search, Tuning buttons [◀◀, ▶▶, SLOW/SEARCH]**

These buttons have the following functions.
[◀◀] : TV/AV input mode select button [TV/AV]
[▶▶] : Setup button [SETUP]

(52) **Volume buttons, TV volume buttons [–, +, VOLUME, – TV VOL +]**

(53) **Progressive video button [PROGRESSIVE]**

2 channel down-mixing button [MIX 2CH]

Dolby Pro Logic II button [▯▯ PLII]

(54) **Center focus button [C.FOCUS]**
Channel select button [CH SEL]
Test signal button [TEST]

(55) **Echo button [ECHO]**
Key control buttons [♭, #]

(56) **Subtitle button [SUBTITLE]**

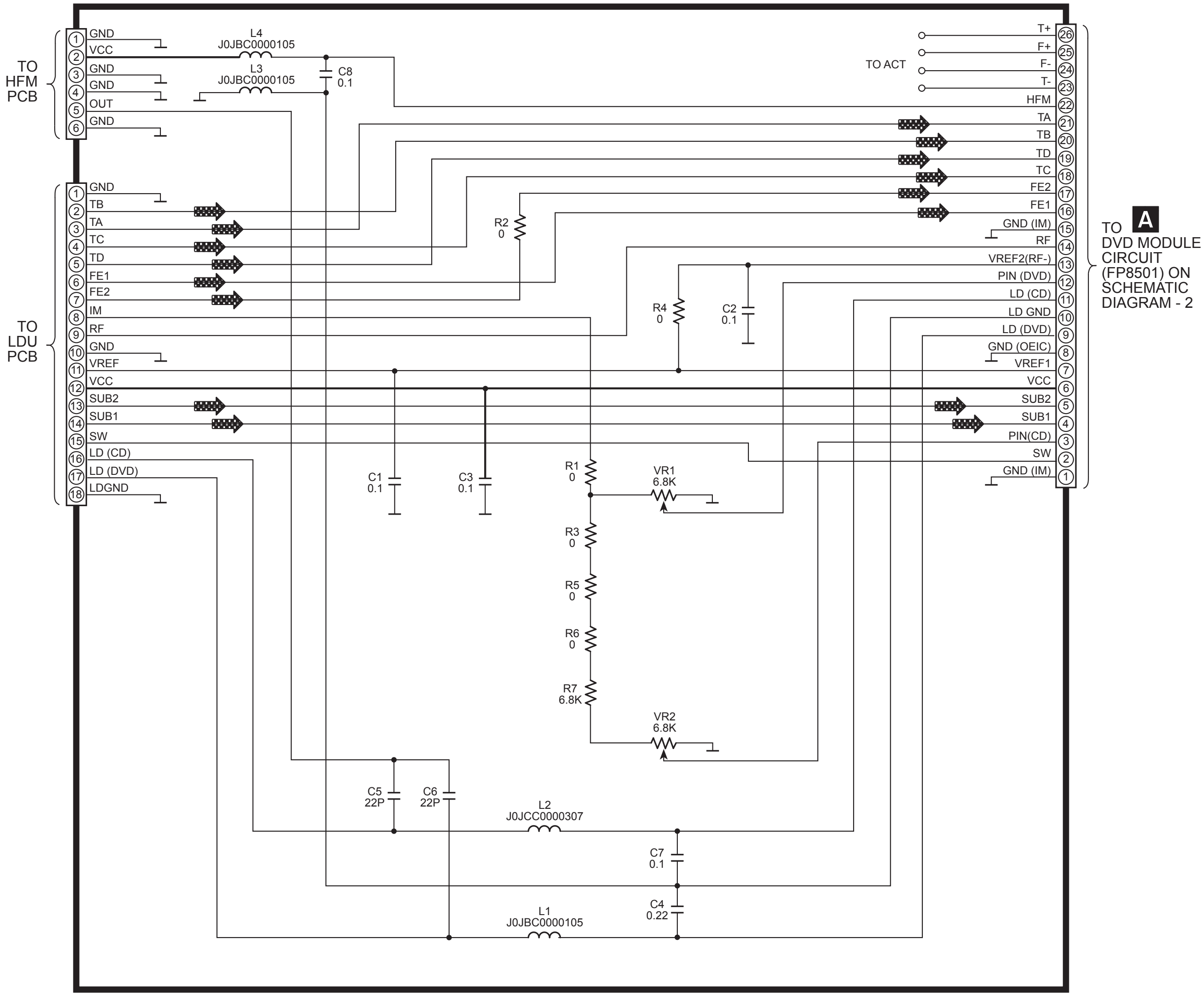
(57) **Audio button [AUDIO]**

SCHEMATIC DIAGRAM - 1

OPTICAL PICKUP UNIT CIRCUIT

—— : +B SIGNAL LINE

▨ : CD-DA SIGNAL LINE

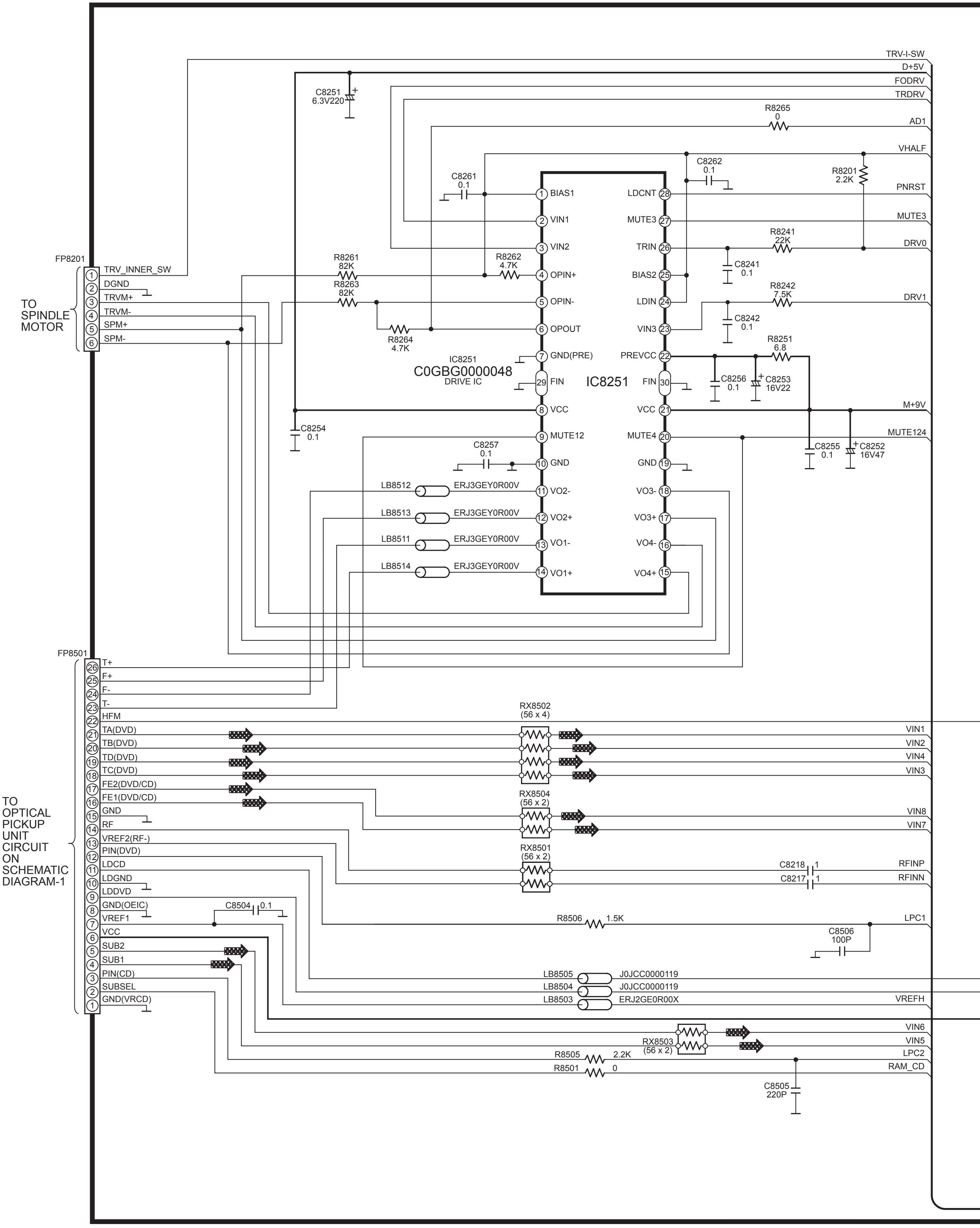


TO HFM PCB
1 GND
2 VCC
3 GND
4 GND
5 OUT
6 GND
L4 J0JBC0000105
L3 J0JBC0000105
C8 0.1
TO LDU PCB
1 GND
2 TB
3 TA
4 TC
5 TD
6 FE1
7 FE2
8 IM
9 RF
10 GND
11 VREF
12 VCC
13 SUB2
14 SUB1
15 SW
16 LD (CD)
17 LD (DVD)
18 LDGND
R2 0
R4 0
C2 0.1
C1 0.1
C3 0.1
R1 0
VR1 6.8K
R3 0
R5 0
R6 0
R7 6.8K
VR2 6.8K
C5 22P
C6 22P
L2 J0JCC0000307
C7 0.1
C4 0.22
L1 J0JBC0000105
TO ACT
26 T+
25 F+
24 F-
23 T-
22 HFM
21 TA
20 TB
19 TD
18 TC
17 FE2
16 FE1
15 GND (IM)
14 RF
13 VREF2(RF-)
12 PIN (DVD)
11 LD (CD)
10 LD GND
9 LD (DVD)
8 GND (OEIC)
7 VREF1
6 VCC
5 SUB2
4 SUB1
3 PIN(CD)
2 SW
1 GND (IM)
TO A DVD MODULE CIRCUIT (FP8501) ON SCHEMATIC DIAGRAM - 2

SCHEMATIC DIAGRAM - 2

A DVD MODULE CIRCUIT

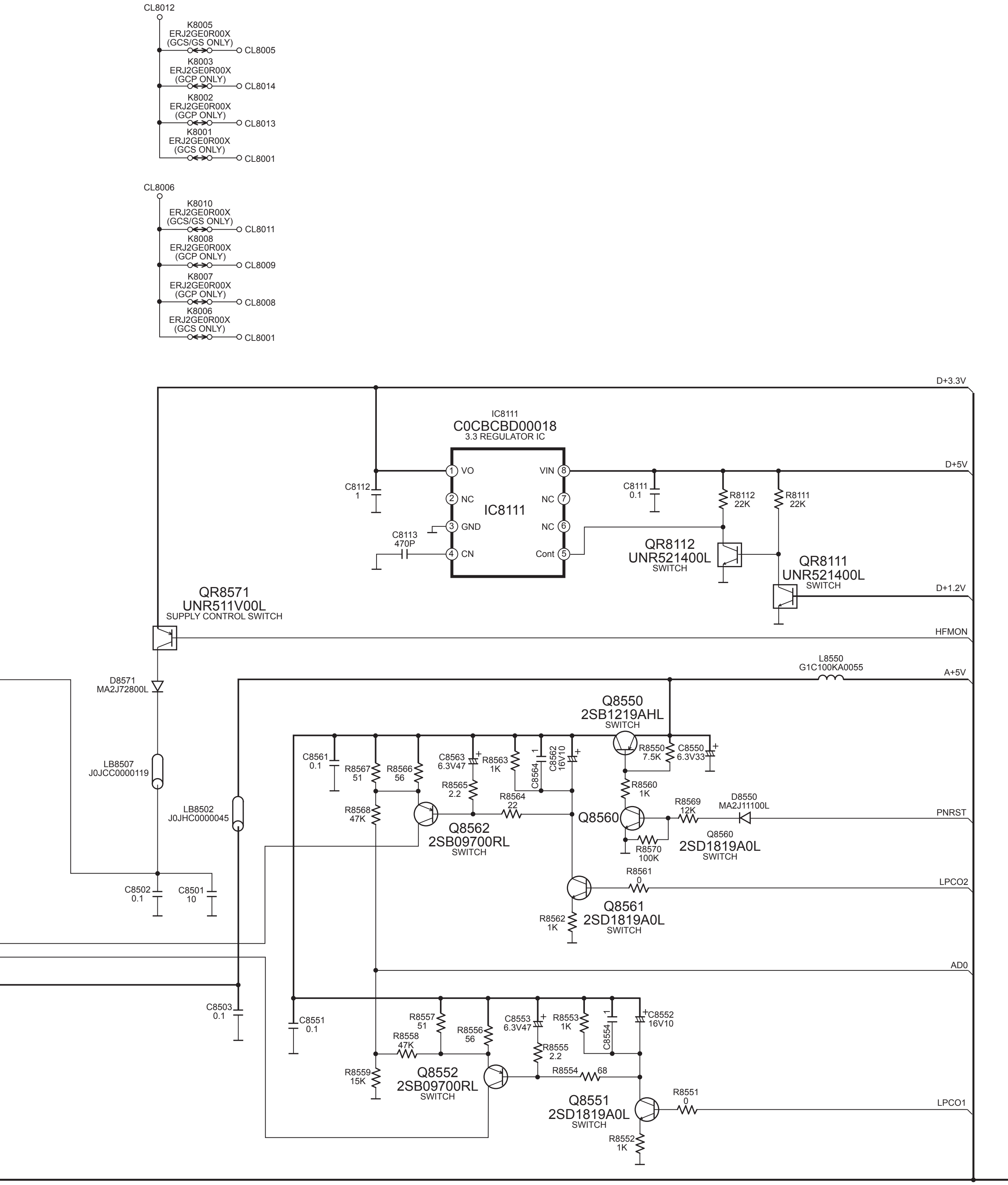
—— : +B SIGNAL LINE ➡ : CD-DA SIGNAL LINE


TRV-I-SW
D+5V
FODRV
TRDRV
AD1
VHALF
PNRST
MUTE3
DRV0
DRV1
M+9V
MUTE124
C8251
6.3V220
R8265
0
C8262
0.1
R8201
2.2K
C8261
0.1
R8241
22K
C8241
0.1
R8242
7.5K
C8242
0.1
R8251
6.8
C8256
0.1
C8253
16V22
C8255
0.1
C8252
16V47
C8254
0.1
C8257
0.1
FP8201
TRV_INNER_SW
DGND
TRVM+
TRVM-
SPM+
SPM-
TO SPINDLE MOTOR
R8261
82K
R8262
4.7K
R8263
82K
R8264
4.7K
IC8251
C0GBG0000048
DRIVE IC
IC8251
1 BIAS1
2 VIN1
3 VIN2
4 OPIN+
5 OPIN-
6 OPOUT
7 GND(PRE)
29 FIN
8 VCC
9 MUTE12
10 GND
11 VO2-
12 VO2+
13 VO1-
14 VO1+
28 LDCNT
27 MUTE3
26 TRIN
25 BIAS2
24 LDIN
23 VIN3
22 PREVCC
30 FIN
21 VCC
20 MUTE4
19 GND
18 VO3-
17 VO3+
16 VO4-
15 VO4+
LB8512
ERJ3GEY0R00V
LB8513
ERJ3GEY0R00V
LB8511
ERJ3GEY0R00V
LB8514
ERJ3GEY0R00V
FP8501
26 T+
25 F+
24 F-
23 T-
22 HFM
21 TA(DVD)
20 TB(DVD)
19 TD(DVD)
18 TC(DVD)
17 FE2(DVD/CD)
16 FE1(DVD/CD)
15 GND
14 RF
13 VREF2(RF-)
12 PIN(DVD)
11 LDCD
10 LDGND
9 LDDVD
8 GND(OEIC)
7 VREF1
6 VCC
5 SUB2
4 SUB1
3 PIN(CD)
2 SUBSEL
1 GND(VRCD)
TO OPTICAL PICKUP UNIT CIRCUIT ON SCHEMATIC DIAGRAM-1
RX8502
(56 x 4)
VIN1
VIN2
VIN4
VIN3
RX8504
(56 x 2)
VIN8
VIN7
RX8501
(56 x 2)
C8218
1
RFINP
C8217
1
RFINN
C8504
0.1
R8506
1.5K
LPC1
C8506
100P
LB8505
J0JCC0000119
LB8504
J0JCC0000119
LB8503
ERJ2GE0R00X
VREFH
RX8503
(56 x 2)
VIN6
VIN5
R8505
2.2K
LPC2
R8501
0
RAM_CD
C8505
220P

SCHEMATIC DIAGRAM - 3

A DVD MODULE CIRCUIT

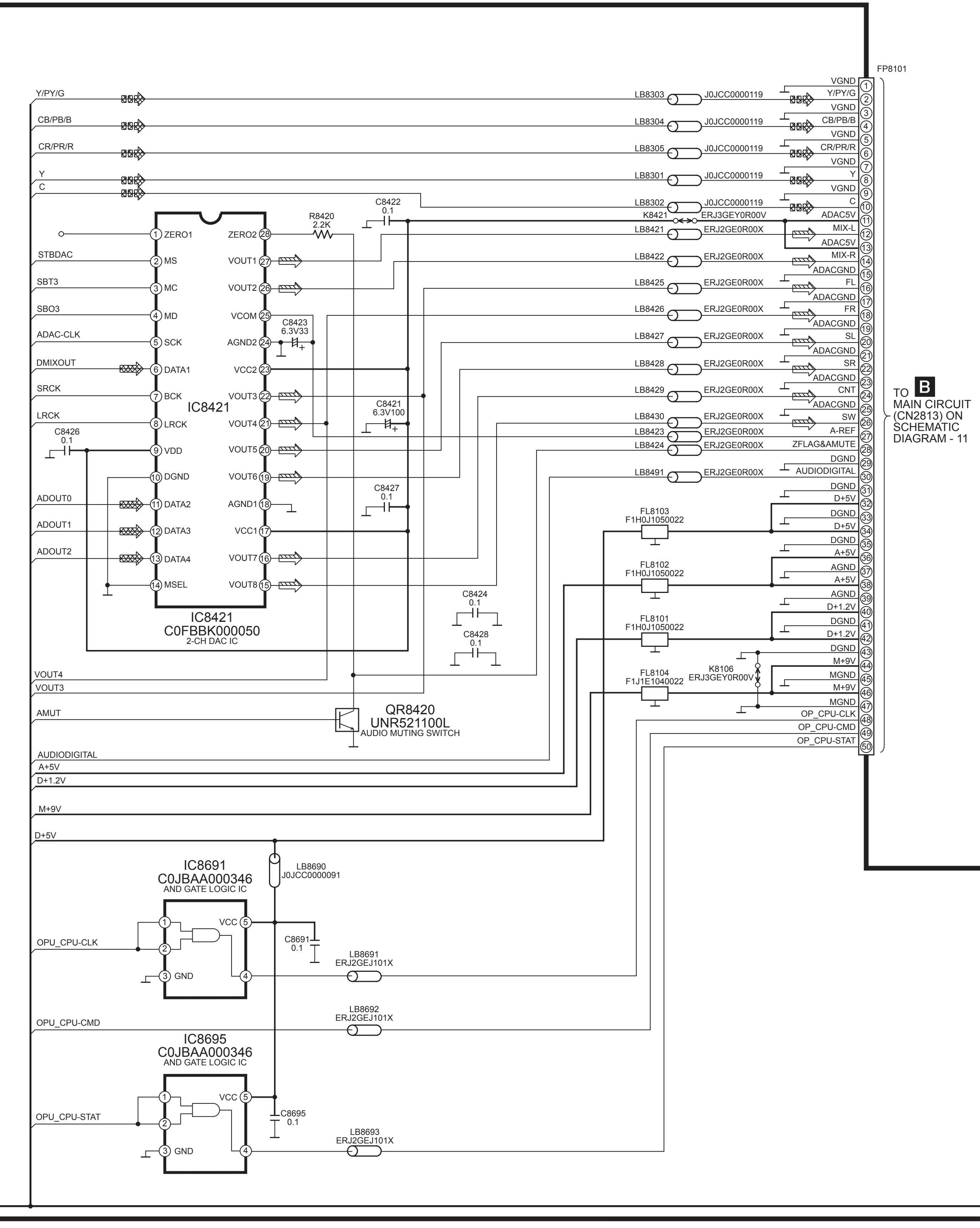
: +B SIGNAL LINE


CL8012
K8005
ERJ2GE0R00X
(GCS/GS ONLY)
CL8005
K8003
ERJ2GE0R00X
(GCP ONLY)
CL8014
K8002
ERJ2GE0R00X
(GCP ONLY)
CL8013
K8001
ERJ2GE0R00X
(GCS ONLY)
CL8001
CL8006
K8010
ERJ2GE0R00X
(GCS/GS ONLY)
CL8011
K8008
ERJ2GE0R00X
(GCP ONLY)
CL8009
K8007
ERJ2GE0R00X
(GCP ONLY)
CL8008
K8006
ERJ2GE0R00X
(GCS ONLY)
CL8001
D+3.3V
IC8111
C0CBCBD00018
3.3 REGULATOR IC
1 VO
2 NC
3 GND
4 CN
VIN 8
NC 7
NC 6
Cont 5
IC8111
C8112
1
C8113
470P
C8111
0.1
R8112
22K
R8111
22K
D+5V
QR8112
UNR521400L
SWITCH
QR8111
UNR521400L
SWITCH
D+1.2V
QR8571
UNR511V00L
SUPPLY CONTROL SWITCH
HFMON
D8571
MA2J72800L
L8550
G1C100KA0055
A+5V
LB8507
J0JCC0000119
LB8502
J0JHC0000045
Q8550
2SB1219AHL
SWITCH
C8561
0.1
R8567
51
R8566
56
C8563
6.3V47
R8563
1K
C8564
1
C8562
16V10
R8550
7.5K
C8550
6.3V33
R8565
2.2
R8564
22
R8560
1K
R8568
47K
Q8562
2SB09700RL
SWITCH
Q8560
R8569
12K
D8550
MA2J11100L
PNRST
R8570
100K
Q8560
2SD1819A0L
SWITCH
C8502
0.1
C8501
10
R8561
0
LPCO2
Q8561
2SD1819A0L
SWITCH
R8562
1K
AD0
C8503
0.1
C8551
0.1
R8557
51
R8558
47K
R8556
56
C8553
6.3V47
R8553
1K
C8554
1
C8552
16V10
R8555
2.2
R8554
68
R8559
15K
Q8552
2SB09700RL
SWITCH
Q8551
2SD1819A0L
SWITCH
R8551
0
LPCO1
R8552
1K

SCHEMATIC DIAGRAM - 4

A DVD MODULE CIRCUIT

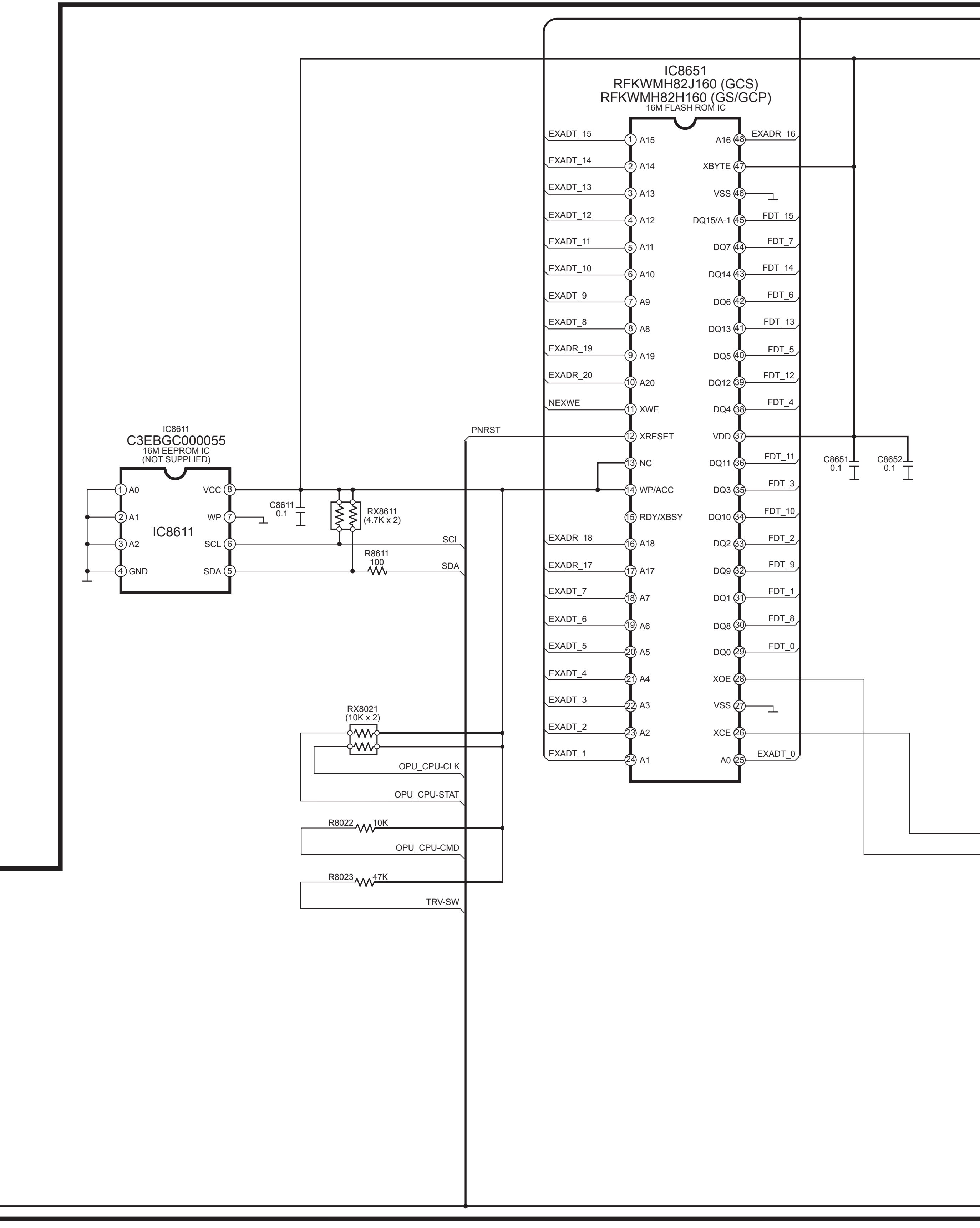
⇨ : MAIN SIGNAL LINE
— : +B SIGNAL LINE
⇨ : DVD VIDEO SIGNAL LINE
⇨ : DVD AUDIO SIGNAL LINE



FP8101
Y/PY/G
CB/PB/B
CR/PR/R
Y
C
LB8303 J0JCC0000119
LB8304 J0JCC0000119
LB8305 J0JCC0000119
LB8301 J0JCC0000119
LB8302 J0JCC0000119
K8421 ERJ3GEY0R00V
LB8421 ERJ2GE0R00X
LB8422 ERJ2GE0R00X
LB8425 ERJ2GE0R00X
LB8426 ERJ2GE0R00X
LB8427 ERJ2GE0R00X
LB8428 ERJ2GE0R00X
LB8429 ERJ2GE0R00X
LB8430 ERJ2GE0R00X
LB8423 ERJ2GE0R00X
LB8424 ERJ2GE0R00X
LB8491 ERJ2GE0R00X
1 VGND
2 Y/PY/G
3 VGND
4 CB/PB/B
5 VGND
6 CR/PR/R
7 VGND
8 Y
9 VGND
10 C
11 ADAC5V
12 MIX-L
13 ADAC5V
14 MIX-R
15 ADACGND
16 FL
17 ADACGND
18 FR
19 ADACGND
20 SL
21 ADACGND
22 SR
23 ADACGND
24 CNT
25 ADACGND
26 SW
27 A-REF
28 ZFLAG&AMUTE
29 DGND
30 AUDIODIGITAL
31 DGND
32 D+5V
33 DGND
34 D+5V
35 DGND
36 A+5V
37 AGND
38 A+5V
39 AGND
40 D+1.2V
41 DGND
42 D+1.2V
43 DGND
44 M+9V
45 MGND
46 M+9V
47 MGND
48 OP_CPU-CLK
49 OP_CPU-CMD
50 OP_CPU-STAT
TO B MAIN CIRCUIT (CN2813) ON SCHEMATIC DIAGRAM - 11
STBDAC
SBT3
SBO3
ADAC-CLK
DMIXOUT
SRCK
LRCK
ADOUT0
ADOUT1
ADOUT2
C8426 0.1
1 ZERO1
2 MS
3 MC
4 MD
5 SCK
6 DATA1
7 BCK
8 LRCK
9 VDD
10 DGND
11 DATA2
12 DATA3
13 DATA4
14 MSEL
ZERO2 28
VOUT1 27
VOUT2 26
VCOM 25
AGND2 24
VCC2 23
VOUT3 22
VOUT4 21
VOUT5 20
VOUT6 19
AGND1 18
VCC1 17
VOUT7 16
VOUT8 15
IC8421
IC8421 C0FBBK000050 2-CH DAC IC
R8420 2.2K
C8422 0.1
C8423 6.3V33
C8421 6.3V100
C8427 0.1
C8424 0.1
C8428 0.1
FL8103 F1H0J1050022
FL8102 F1H0J1050022
FL8101 F1H0J1050022
FL8104 F1J1E1040022
K8106 ERJ3GEY0R00V
VOUT4
VOUT3
AMUT
QR8420 UNR521100L AUDIO MUTING SWITCH
AUDIODIGITAL
A+5V
D+1.2V
M+9V
D+5V
LB8690 J0JCC0000091
IC8691 C0JBAA000346 AND GATE LOGIC IC
1
2
3 GND
VCC 5
4
C8691 0.1
OPU_CPU-CLK
LB8691 ERJ2GEJ101X
OPU_CPU-CMD
LB8692 ERJ2GEJ101X
IC8695 C0JBAA000346 AND GATE LOGIC IC
1
2
3 GND
VCC 5
4
C8695 0.1
OPU_CPU-STAT
LB8693 ERJ2GEJ101X

A DVD MODULE CIRCUIT

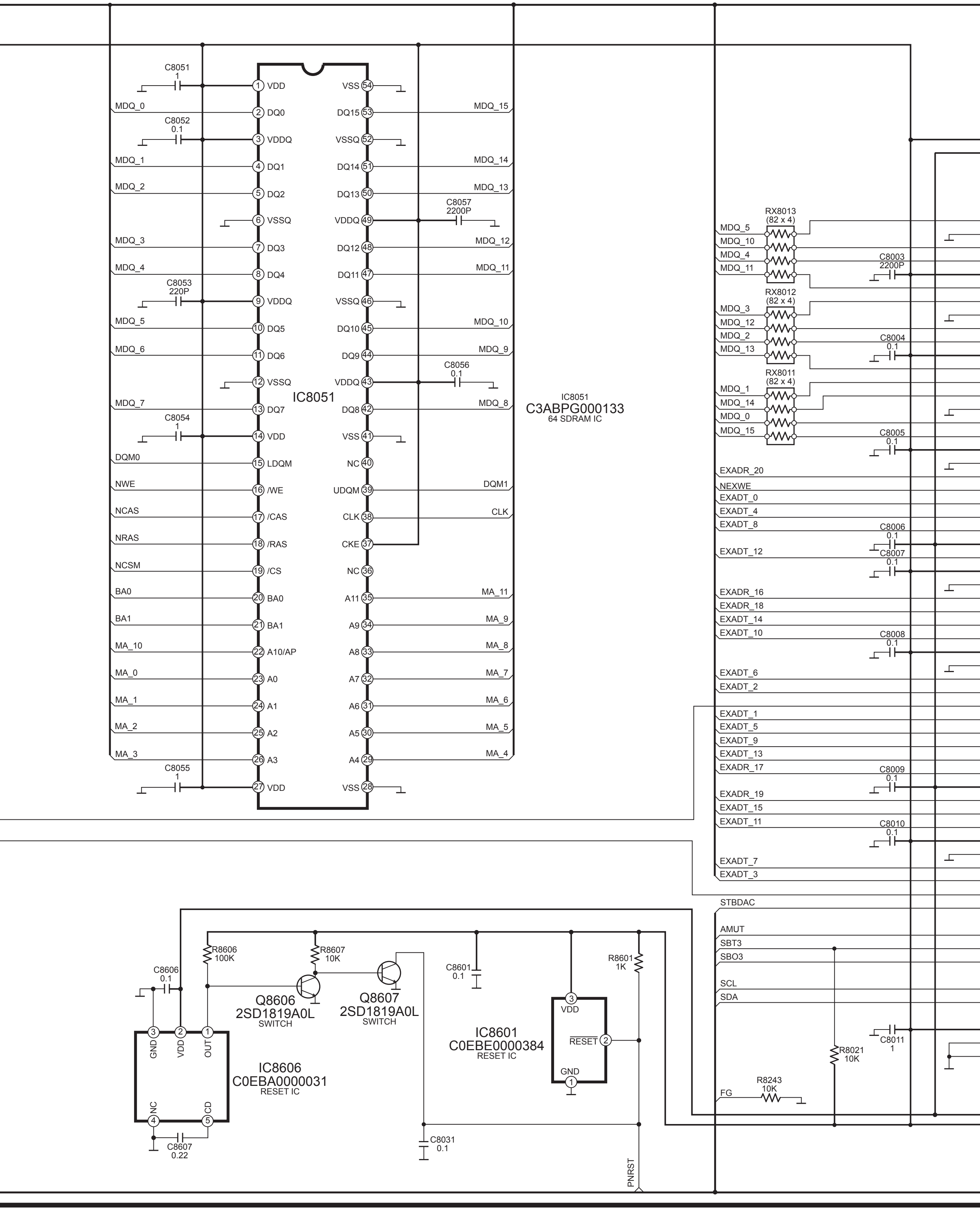
——— : +B SIGNAL LINE


IC8651
RFKWMH82J160 (GCS)
RFKWMH82H160 (GS/GCP)
16M FLASH ROM IC
EXADT_15 1 A15
EXADT_14 2 A14
EXADT_13 3 A13
EXADT_12 4 A12
EXADT_11 5 A11
EXADT_10 6 A10
EXADT_9 7 A9
EXADT_8 8 A8
EXADR_19 9 A19
EXADR_20 10 A20
NEXWE 11 XWE
PNRST 12 XRESET
13 NC
14 WP/ACC
15 RDY/XBSY
EXADR_18 16 A18
EXADR_17 17 A17
EXADT_7 18 A7
EXADT_6 19 A6
EXADT_5 20 A5
EXADT_4 21 A4
EXADT_3 22 A3
EXADT_2 23 A2
EXADT_1 24 A1
A16 48 EXADR_16
XBYTE 47
VSS 46
DQ15/A-1 45 FDT_15
DQ7 44 FDT_7
DQ14 43 FDT_14
DQ6 42 FDT_6
DQ13 41 FDT_13
DQ5 40 FDT_5
DQ12 39 FDT_12
DQ4 38 FDT_4
VDD 37
DQ11 36 FDT_11
DQ3 35 FDT_3
DQ10 34 FDT_10
DQ2 33 FDT_2
DQ9 32 FDT_9
DQ1 31 FDT_1
DQ8 30 FDT_8
DQ0 29 FDT_0
XOE 28
VSS 27
XCE 26
A0 25 EXADT_0
C8651 0.1
C8652 0.1
IC8611
C3EBGC000055
16M EEPROM IC
(NOT SUPPLIED)
IC8611
1 A0
2 A1
3 A2
4 GND
VCC 8
WP 7
SCL 6
SDA 5
C8611 0.1
RX8611 (4.7K x 2)
R8611 100
SCL
SDA
RX8021 (10K x 2)
OPU_CPU-CLK
OPU_CPU-STAT
R8022 10K
OPU_CPU-CMD
R8023 47K
TRV-SW

SCHEMATIC DIAGRAM - 6

A DVD MODULE CIRCUIT

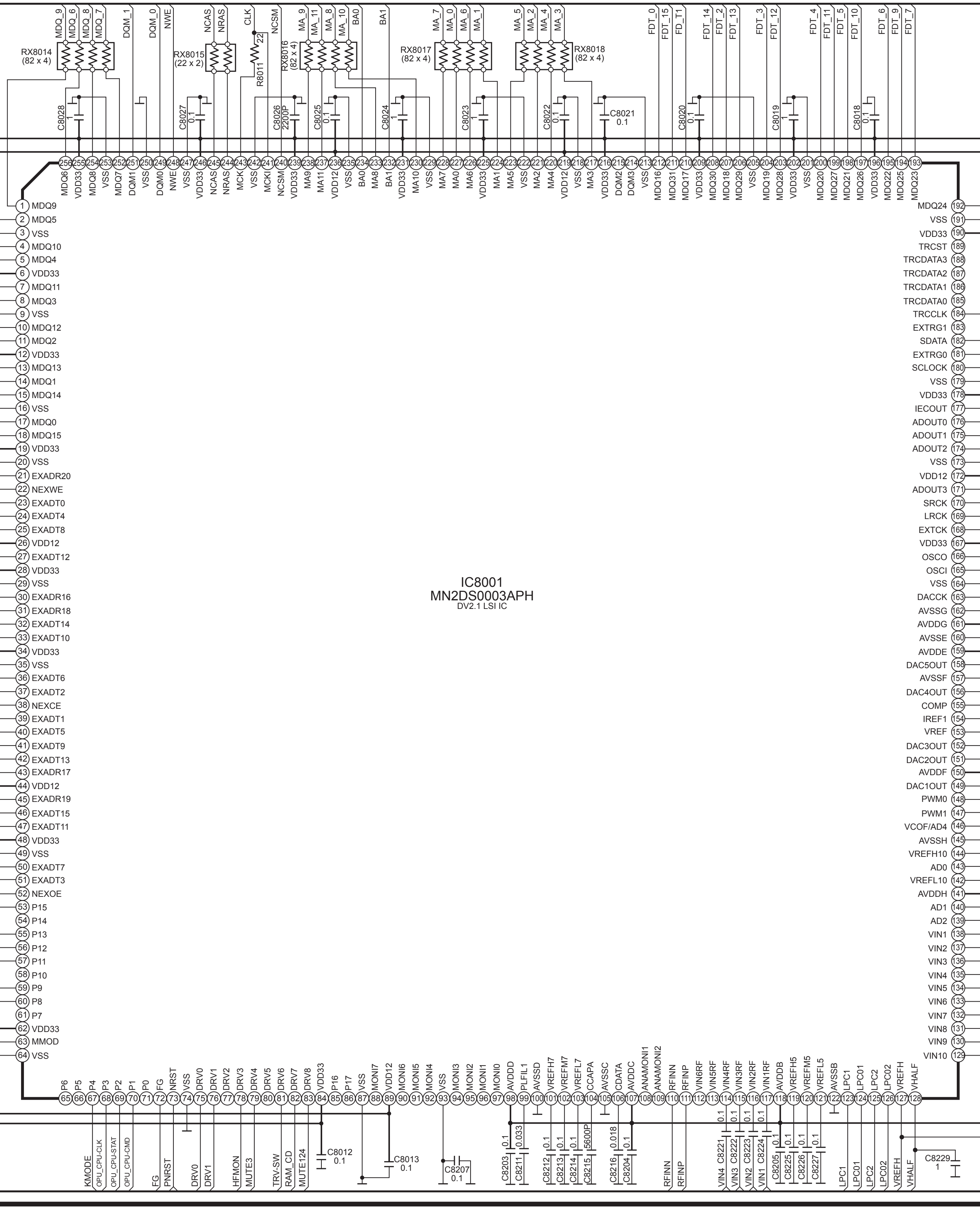
——— : +B SIGNAL LINE


C8051
1
1 VDD
VSS 54
MDQ_0
2 DQ0
DQ15 53
MDQ_15
C8052
0.1
3 VDDQ
VSSQ 52
MDQ_1
4 DQ1
DQ14 51
MDQ_14
MDQ_2
5 DQ2
DQ13 50
MDQ_13
C8057
2200P
6 VSSQ
VDDQ 49
MDQ_3
7 DQ3
DQ12 48
MDQ_12
MDQ_4
8 DQ4
DQ11 47
MDQ_11
C8053
220P
9 VDDQ
VSSQ 46
MDQ_5
10 DQ5
DQ10 45
MDQ_10
MDQ_6
11 DQ6
DQ9 44
MDQ_9
C8056
0.1
12 VSSQ
VDDQ 43
IC8051
MDQ_7
13 DQ7
DQ8 42
MDQ_8
IC8051
C3ABPG000133
64 SDRAM IC
C8054
1
14 VDD
VSS 41
DQM0
15 LDQM
NC 40
NWE
16 /WE
UDQM 39
DQM1
NCAS
17 /CAS
CLK 38
CLK
NRAS
18 /RAS
CKE 37
NCSM
19 /CS
NC 36
BA0
20 BA0
A11 35
MA_11
BA1
21 BA1
A9 34
MA_9
MA_10
22 A10/AP
A8 33
MA_8
MA_0
23 A0
A7 32
MA_7
MA_1
24 A1
A6 31
MA_6
MA_2
25 A2
A5 30
MA_5
MA_3
26 A3
A4 29
MA_4
C8055
1
27 VDD
VSS 28
RX8013
(82 x 4)
MDQ_5
MDQ_10
MDQ_4
MDQ_11
C8003
2200P
RX8012
(82 x 4)
MDQ_3
MDQ_12
MDQ_2
MDQ_13
C8004
0.1
RX8011
(82 x 4)
MDQ_1
MDQ_14
MDQ_0
MDQ_15
C8005
0.1
EXADR_20
NEXWE
EXADT_0
EXADT_4
EXADT_8
C8006
0.1
EXADT_12
C8007
0.1
EXADR_16
EXADR_18
EXADT_14
EXADT_10
C8008
0.1
EXADT_6
EXADT_2
EXADT_1
EXADT_5
EXADT_9
EXADT_13
EXADR_17
C8009
0.1
EXADR_19
EXADT_15
EXADT_11
C8010
0.1
EXADT_7
EXADT_3
STBDAC
AMUT
SBT3
SBO3
SCL
SDA
C8011
1
R8021
10K
FG
R8243
10K
R8606
100K
R8607
10K
C8606
0.1
Q8606
2SD1819A0L
SWITCH
Q8607
2SD1819A0L
SWITCH
C8601
0.1
R8601
1K
IC8601
C0EBE0000384
RESET IC
3
VDD
RESET 2
GND
1
3 GND
2 VDD
1 OUT
IC8606
C0EBA0000031
RESET IC
4 NC
5 CD
C8607
0.22
C8031
0.1
PNRST

SCHEMATIC DIAGRAM - 7

A DVD MODULE CIRCUIT

——— : +B SIGNAL LINE


IC8001
MN2DS0003APH
DV2.1 LSI IC
MDQ_9
MDQ_6
MDQ_8
MDQ_7
DQM_1
DQM_0
NWE
NCAS
NRAS
CLK
NCSM
MA_9
MA_11
MA_8
MA_10
BA0
BA1
MA_7
MA_0
MA_6
MA_1
MA_5
MA_2
MA_4
MA_3
FDT_0
FDT_15
FD_T1
FDT_14
FDT_2
FDT_13
FDT_3
FDT_12
FDT_4
FDT_11
FDT_5
FDT_10
FDT_6
FDT_9
FDT_7
RX8014 (82 x 4)
RX8015 (22 x 2)
R8011 22
RX8016 (82 x 4)
RX8017 (82 x 4)
RX8018 (82 x 4)
C8028 1
C8027 1
C8026 2200P
C8025 0.1
C8024 1
C8023 1
C8022 0.1
C8021 0.1
C8020 0.1
C8019 1
C8018 0.1
256 MDQ6
255 VDD33
254 MDQ8
253 VSS
252 MDQ7
251 DQM1
250 VSS
249 DQM0
248 NWE
247 VSS
246 VDD33
245 NCAS
244 NRAS
243 MCK
242 VSS
241 MCKI
240 NCSM
239 VDD33
238 MA9
237 MA11
236 VDD12
235 VSS
234 BA0
233 MA8
232 BA1
231 VDD33
230 MA10
229 VSS
228 MA7
227 MA0
226 MA6
225 VDD33
224 MA1
223 MA5
222 VSS
221 MA2
220 MA4
219 VDD12
218 VSS
217 MA3
216 VDD33
215 DQM2
214 DQM3
213 VSS
212 MDQ16
211 MDQ31
210 MDQ17
209 VDD33
208 MDQ30
207 MDQ18
206 MDQ29
205 VSS
204 MDQ19
203 MDQ28
202 VDD33
201 VSS
200 MDQ20
199 MDQ27
198 MDQ21
197 MDQ26
196 VDD33
195 MDQ22
194 MDQ25
193 MDQ23
1 MDQ9
2 MDQ5
3 VSS
4 MDQ10
5 MDQ4
6 VDD33
7 MDQ11
8 MDQ3
9 VSS
10 MDQ12
11 MDQ2
12 VDD33
13 MDQ13
14 MDQ1
15 MDQ14
16 VSS
17 MDQ0
18 MDQ15
19 VDD33
20 VSS
21 EXADR20
22 NEXWE
23 EXADT0
24 EXADT4
25 EXADT8
26 VDD12
27 EXADT12
28 VDD33
29 VSS
30 EXADR16
31 EXADR18
32 EXADT14
33 EXADT10
34 VDD33
35 VSS
36 EXADT6
37 EXADT2
38 NEXCE
39 EXADT1
40 EXADT5
41 EXADT9
42 EXADT13
43 EXADR17
44 VDD12
45 EXADR19
46 EXADT15
47 EXADT11
48 VDD33
49 VSS
50 EXADT7
51 EXADT3
52 NEXOE
53 P15
54 P14
55 P13
56 P12
57 P11
58 P10
59 P9
60 P8
61 P7
62 VDD33
63 MMOD
64 VSS
MDQ24 192
VSS 191
VDD33 190
TRCST 189
TRCDATA3 188
TRCDATA2 187
TRCDATA1 186
TRCDATA0 185
TRCCLK 184
EXTRG1 183
SDATA 182
EXTRG0 181
SCLOCK 180
VSS 179
VDD33 178
IECOUT 177
ADOUT0 176
ADOUT1 175
ADOUT2 174
VSS 173
VDD12 172
ADOUT3 171
SRCK 170
LRCK 169
EXTCK 168
VDD33 167
OSCO 166
OSCI 165
VSS 164
DACCK 163
AVSSG 162
AVDDG 161
AVSSE 160
AVDDE 159
DAC5OUT 158
AVSSF 157
DAC4OUT 156
COMP 155
IREF1 154
VREF 153
DAC3OUT 152
DAC2OUT 151
AVDDF 150
DAC1OUT 149
PWM0 148
PWM1 147
VCOF/AD4 146
AVSSH 145
VREFH10 144
AD0 143
VREFL10 142
AVDDH 141
AD1 140
AD2 139
VIN1 138
VIN2 137
VIN3 136
VIN4 135
VIN5 134
VIN6 133
VIN7 132
VIN8 131
VIN9 130
VIN10 129
65 P6
66 P5
67 P4
68 P3
69 P2
70 P1
71 P0
72 FG
73 NRST
74 VSS
75 DRV0
76 DRV1
77 DRV2
78 DRV3
79 DRV4
80 DRV5
81 DRV6
82 DRV7
83 DRV8
84 VDD33
85 P16
86 P17
87 VSS
88 MONI7
89 VDD12
90 MONI6
91 MONI5
92 MONI4
93 VSS
94 MONI3
95 MONI2
96 MONI1
97 MONI0
98 AVDDD
99 PLFIL1
100 AVSSD
101 VREFH7
102 VREFM7
103 VREFL7
104 CCAPA
105 AVSSC
106 CDATA
107 AVDDC
108 ANAMONI1
109 ANAMONI2
110 RFINN
111 RFINP
112 VIN6RF
113 VIN5RF
114 VIN4RF
115 VIN3RF
116 VIN2RF
117 VIN1RF
118 AVDDB
119 VREFH5
120 VREFM5
121 VREFL5
122 AVSSB
123 LPC1
124 LPC01
125 LPC2
126 LPC02
127 VREFH
128 VHALF
KMODE
OPU_CPU-CLK
OPU_CPU-STAT
OPU_CPU-CMD
FG
PNRST
DRV0
DRV1
HFMON
MUTE3
TRV-SW
RAM_CD
MUTE124
C8012 0.1
C8013 0.1
C8207 0.1
C8203 0.1
C8211 0.033
C8212 0.1
C8213 0.1
C8214 0.1
C8215 5600P
C8216 0.018
C8204 0.1
RFINN
RFINP
VIN4 C8221 0.1
VIN3 C8222 0.1
VIN2 C8223 0.1
VIN1 C8224 0.1
C8205 0.1
C8225 0.1
C8226 0.1
C8227 0.1
LPC1
LPC01
LPC2
LPC02
VREFH
VHALF
C8229 1

SCHEMATIC DIAGRAM - 8

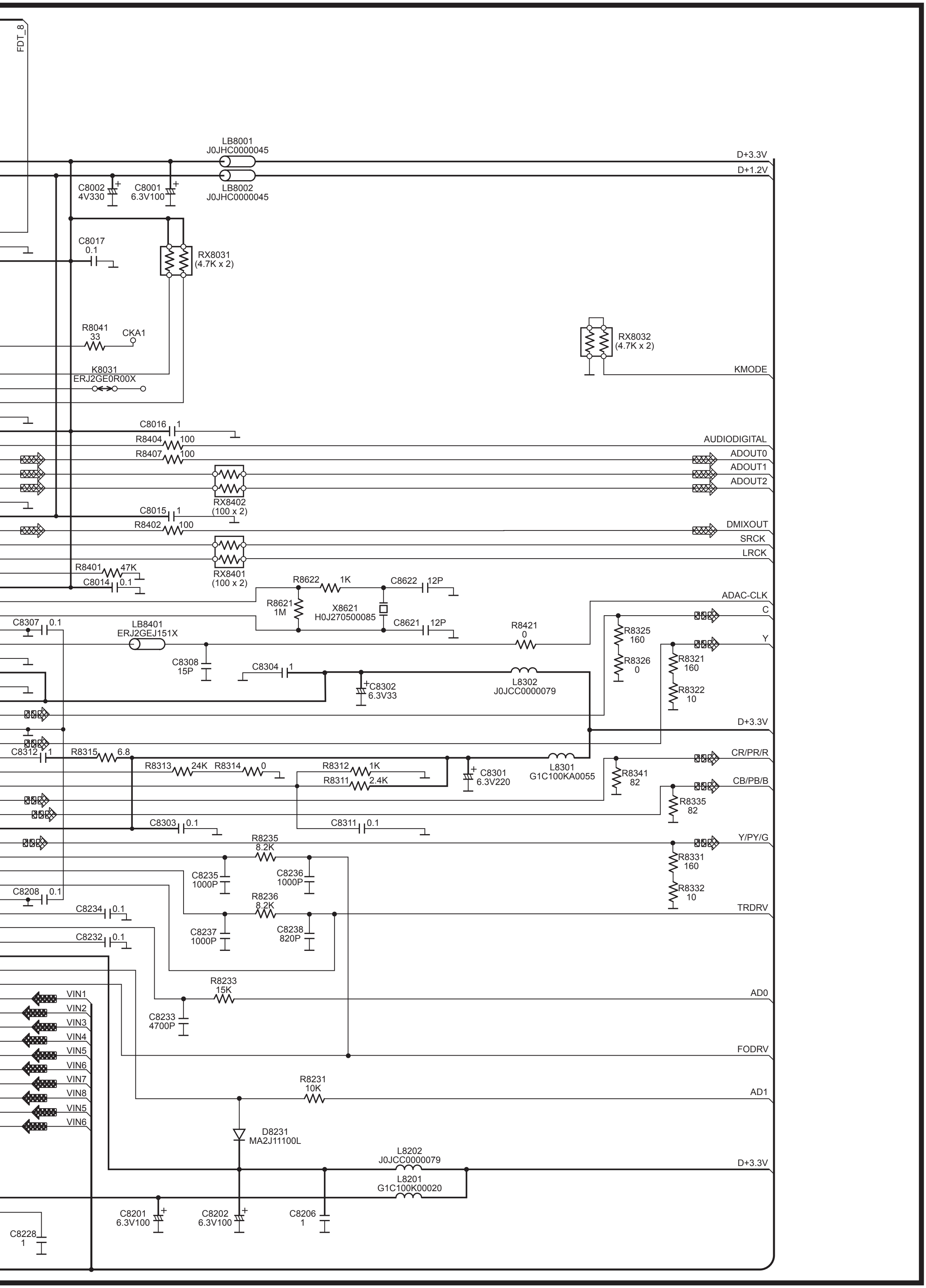
A DVD MODULE CIRCUIT

➡ : CD-DA SIGNAL LINE

— : +B SIGNAL LINE

⇨ : DVD VIDEO SIGNAL LINE

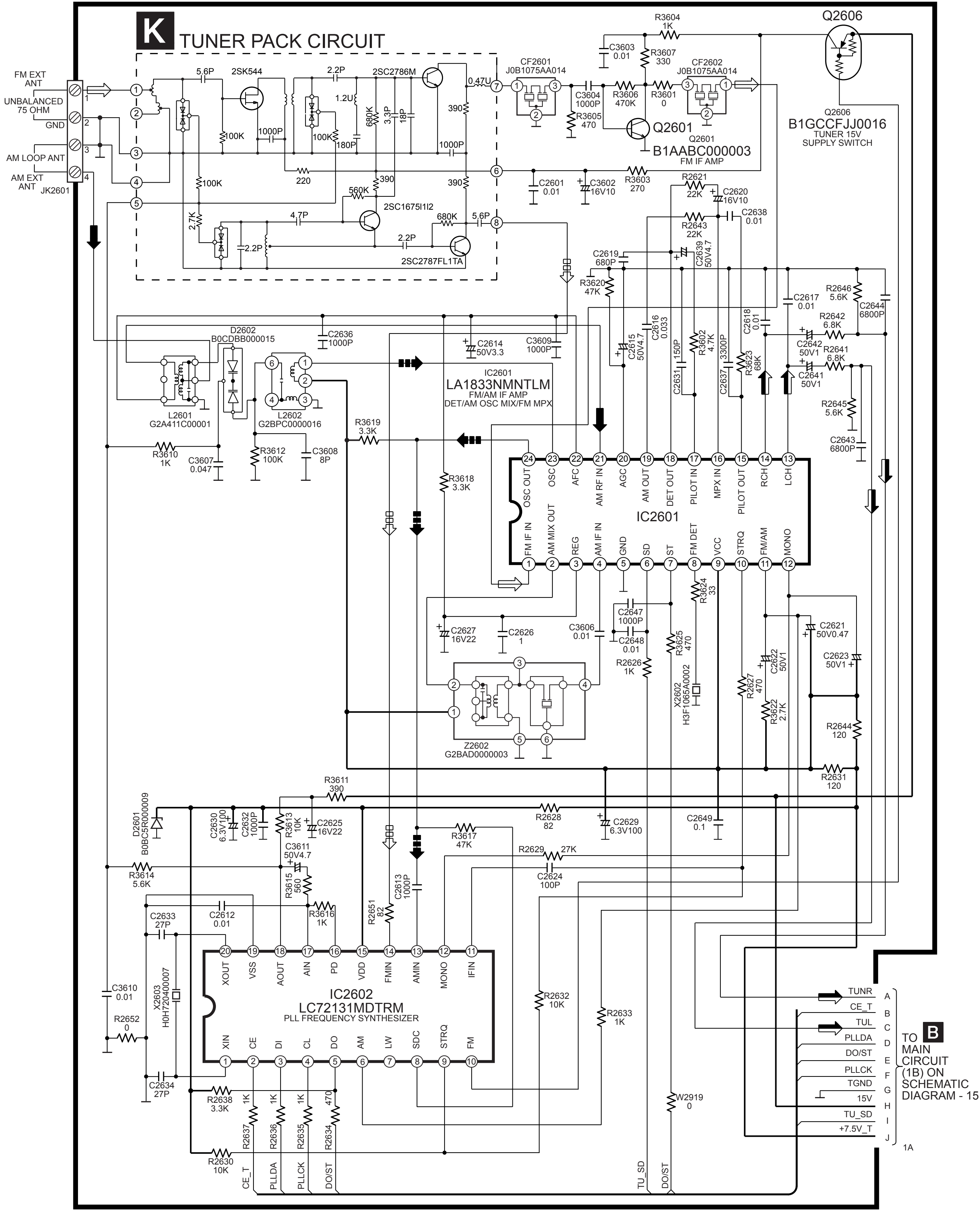
⇨ : DVD AUDIO SIGNAL LINE


FDT_8
LB8001
J0JHC0000045
D+3.3V
D+1.2V
C8002
4V330
C8001
6.3V100
LB8002
J0JHC0000045
C8017
0.1
RX8031
(4.7K x 2)
R8041
33
CKA1
K8031
ERJ2GE0R00X
RX8032
(4.7K x 2)
KMODE
C8016
1
R8404
100
R8407
100
AUDIODIGITAL
ADOUT0
ADOUT1
ADOUT2
RX8402
(100 x 2)
C8015
1
R8402
100
DMIXOUT
SRCK
LRCK
R8401
47K
C8014
0.1
RX8401
(100 x 2)
R8622
1K
C8622
12P
ADAC-CLK
R8621
1M
X8621
H0J270500085
C8621
12P
C
C8307
0.1
LB8401
ERJ2GEJ151X
R8421
0
R8325
160
Y
R8326
0
R8321
160
C8308
15P
C8304
1
C8302
6.3V33
L8302
J0JCC0000079
R8322
10
D+3.3V
C8312
1
R8315
6.8
CR/PR/R
R8313
24K
R8314
0
R8312
1K
R8311
2.4K
C8301
6.3V220
L8301
G1C100KA0055
R8341
82
CB/PB/B
R8335
82
C8303
0.1
C8311
0.1
Y/PY/G
R8235
8.2K
R8331
160
C8235
1000P
C8236
1000P
C8208
0.1
R8236
8.2K
R8332
10
C8234
0.1
TRDRV
C8237
1000P
C8238
820P
C8232
0.1
R8233
15K
AD0
VIN1
VIN2
VIN3
VIN4
VIN5
VIN6
VIN7
VIN8
VIN5
VIN6
C8233
4700P
FODRV
R8231
10K
AD1
D8231
MA2J11100L
L8202
J0JCC0000079
D+3.3V
L8201
G1C100K00020
C8201
6.3V100
C8202
6.3V100
C8206
1
C8228
1

SCHEMATIC DIAGRAM - 9

B MAIN (TUNER) CIRCUIT

— : +B SIGNAL LINE
⇨ : FM SIGNAL LINE
➡ : AM SIGNAL LINE
➡ : FM/AM SIGNAL LINE
▯▯⇨ : FM OSC SIGNAL LINE
▮▮➡ : AM OSC SIGNAL LINE

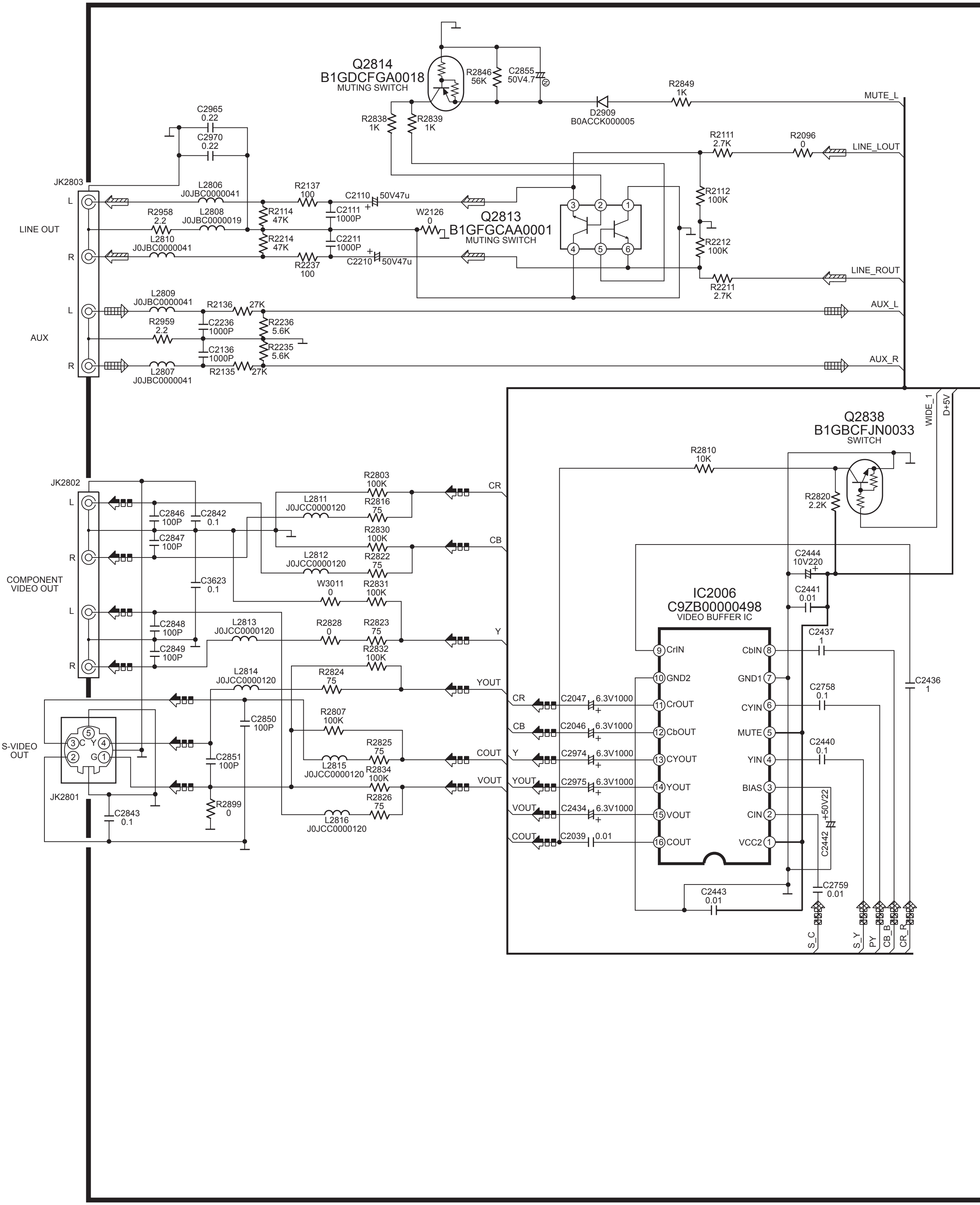


K TUNER PACK CIRCUIT
FM EXT ANT
UNBALANCED 75 OHM
GND
AM LOOP ANT
AM EXT ANT
JK2601
1
2
3
4
5.6P
2SK544
2.2P
2SC2786M
0.47U
100K
1000P
1.2U
680K
3.3P
18P
100K
180P
390
1000P
220
100K
390
560K
390
2SC1675I1I2
2.7K
4.7P
680K
5.6P
2.2P
2.2P
2SC2787FL1TA
CF2601 J0B1075AA014
C3604 1000P
R3606 470K
R3601 0
CF2602 J0B1075AA014
R3605 470
C3603 0.01
R3604 1K
R3607 330
Q2601
Q2601 B1AABC000003 FM IF AMP
Q2606
Q2606 B1GCCFJJ0016 TUNER 15V SUPPLY SWITCH
C2601 0.01
C3602 16V10
R3603 270
R2621 22K
C2620 16V10
R2643 22K
C2638 0.01
C2619 680P
C2639 50V4.7
R3620 47K
R2646 5.6K
C2617 0.01
C2644 6800P
R2642 6.8K
C2618 0.01
C2642 50V1
R2641 6.8K
C2641 50V1
R2645 5.6K
C2643 6800P
C2615 50V4.7
C2616 0.033
C2631 150P
R3602 4.7K
C2637 3300P
R3623 68K
D2602 B0CDBB000015
C2636 1000P
C2614 50V3.3
C3609 1000P
L2601 G2A411C00001
L2602 G2BPC0000016
IC2601 LA1833NMNTLM FM/AM IF AMP DET/AM OSC MIX/FM MPX
R3619 3.3K
R3610 1K
C3607 0.047
R3612 100K
C3608 8P
R3618 3.3K
IC2601
24 OSC OUT
23 OSC
22 AFC
21 AM RF IN
20 AGC
19 AM OUT
18 DET OUT
17 PILOT IN
16 MPX IN
15 PILOT OUT
14 RCH
13 LCH
1 FM IF IN
2 AM MIX OUT
3 REG
4 AM IF IN
5 GND
6 SD
7 ST
8 FM DET
9 VCC
10 STRQ
11 FM/AM
12 MONO
C2647 1000P
C2648 0.01
R3624 33
C2627 16V22
C2626 1
C3606 0.01
R2626 1K
R3625 470
X2602 H3F1065A0002
C2621 50V0.47
C2622 50V1
C2623 50V1
R2627 470
R3622 2.7K
R2644 120
R2631 120
Z2602 G2BAD0000003
R3611 390
D2601 B0BC5R000009
C2630 6.3V100
C2632 1000P
R3613 10K
C2625 16V22
R2628 82
C2629 6.3V100
C2649 0.1
C3611 50V4.7
R3617 47K
R2629 27K
C2624 100P
R3614 5.6K
R3615 560
R3616 1K
R2651 82
C2613 1000P
C2633 27P
C2612 0.01
C3610 0.01
R2652 0
X2603 H0H720400007
C2634 27P
IC2602 LC72131MDTRM PLL FREQUENCY SYNTHESIZER
20 XOUT
19 VSS
18 AOUT
17 AIN
16 PD
15 VDD
14 FMIN
13 AMIN
12 MONO
11 IFIN
1 XIN
2 CE
3 DI
4 CL
5 DO
6 AM
7 LW
8 SDC
9 STRQ
10 FM
R2632 10K
R2633 1K
R2638 3.3K
R2637 1K
R2636 1K
R2635 1K
R2634 470
R2630 10K
CE_T
PLLDA
PLLCK
DO/ST
TU_SD
DO/ST
W2919 0
TUNR A
CE_T B
TUL C
PLLDA D
DO/ST E
PLLCK F
TGND G
15V H
TU_SD I
+7.5V_T J
1A
TO B MAIN CIRCUIT (1B) ON SCHEMATIC DIAGRAM - 15

SCHEMATIC DIAGRAM - 10

B MAIN CIRCUIT

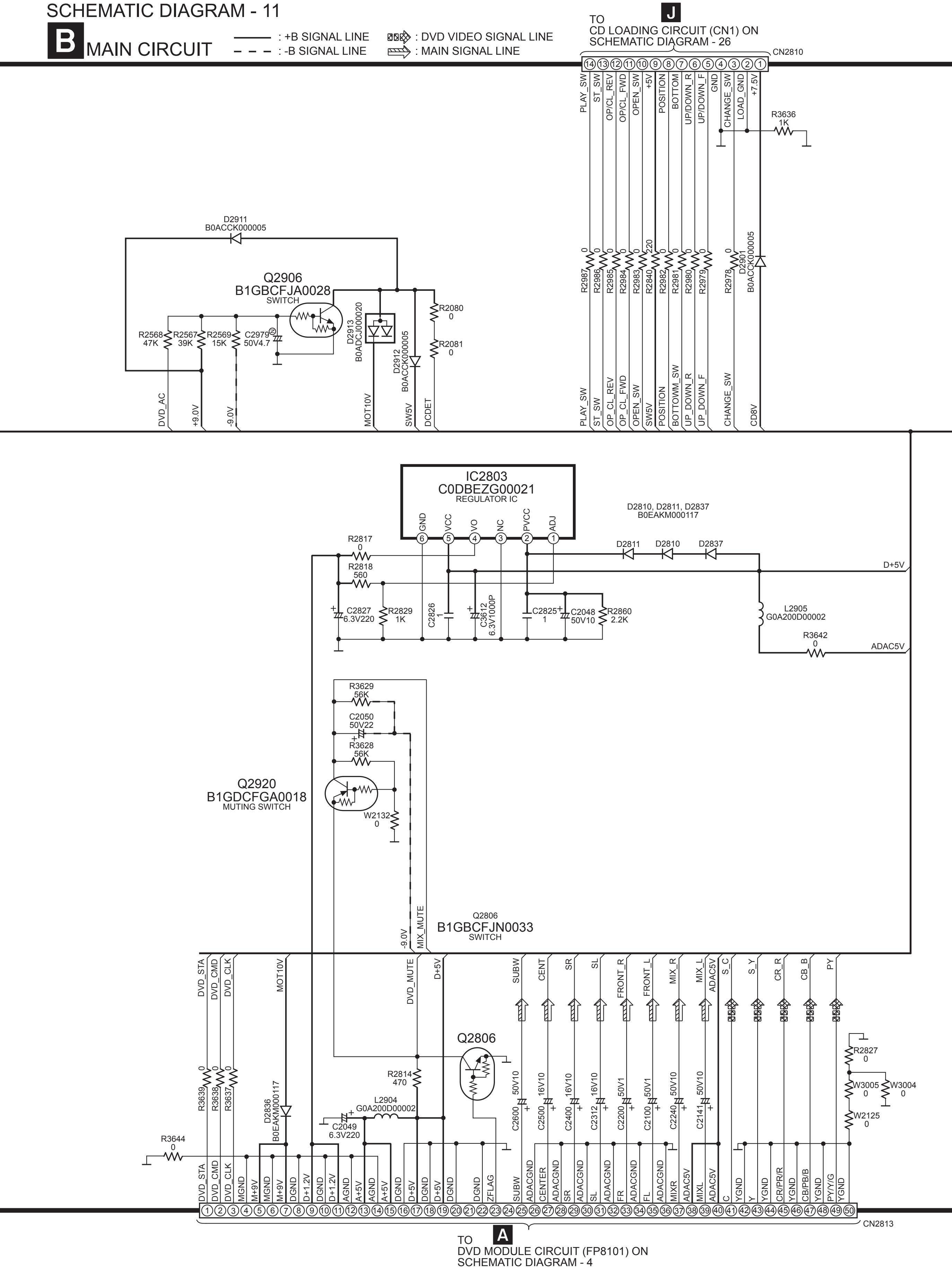
— : +B SIGNAL LINE
: AUX SIGNAL LINE
: MAIN SIGNAL LINE
: DVD VIDEO SIGNAL LINE
: VIDEO SIGNAL LINE


Q2814
B1GDCFGA0018
MUTING SWITCH
R2846 56K
C2855 50V4.7
R2849 1K
MUTE_L
D2909
B0ACCK000005
R2838 1K
R2839 1K
C2965 0.22
C2970 0.22
R2111 2.7K
R2096 0
LINE_LOUT
JK2803
L
LINE OUT
R
L2806 J0JBC0000041
R2958 2.2
L2808 J0JBC0000019
L2810 J0JBC0000041
R2137 100
C2110 50V47u
R2114 47K
C2111 1000P
W2126 0
Q2813
B1GFGCAA0001
MUTING SWITCH
R2112 100K
R2214 47K
C2211 1000P
R2212 100K
R2237 100
C2210 50V47u
LINE_ROUT
R2211 2.7K
L2809 J0JBC0000041
R2136 27K
AUX_L
R2959 2.2
C2236 1000P
R2236 5.6K
AUX
C2136 1000P
R2235 5.6K
L2807 J0JBC0000041
R2135 27K
AUX_R
WIDE_1
D+5V
Q2838
B1GBCFJN0033
SWITCH
R2810 10K
R2820 2.2K
JK2802
R2803 100K
CR
L2811 J0JCC0000120
R2816 75
C2846 100P
C2842 0.1
C2847 100P
R2830 100K
CB
L2812 J0JCC0000120
R2822 75
COMPONENT VIDEO OUT
C3623 0.1
W3011 0
R2831 100K
C2444 10V220
C2441 0.01
IC2006
C9ZB00000498
VIDEO BUFFER IC
R2828 0
R2823 75
Y
C2848 100P
L2813 J0JCC0000120
C2849 100P
R2832 100K
C2437 1
L2814 J0JCC0000120
R2824 75
YOUT
C2436 1
CrIN
CbIN
GND2
GND1
CrOUT
CYIN
CbOUT
MUTE
CYOUT
YIN
YOUT
BIAS
VOUT
CIN
COUT
VCC2
C2047 6.3V1000
C2046 6.3V1000
C2974 6.3V1000
C2975 6.3V1000
C2434 6.3V1000
C2039 0.01
C2758 0.1
C2440 0.1
C2442 50V22
C2759 0.01
C2443 0.01
C2850 100P
R2807 100K
R2825 75
COUT
S-VIDEO OUT
C
Y
G
C2851 100P
L2815 J0JCC0000120
R2834 100K
VOUT
JK2801
R2899 0
R2826 75
C2843 0.1
L2816 J0JCC0000120
S_C
S_Y
PY
CB_B
CR_R

SCHEMATIC DIAGRAM - 11

B MAIN CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: DVD VIDEO SIGNAL LINE
: MAIN SIGNAL LINE


TO J CD LOADING CIRCUIT (CN1) ON SCHEMATIC DIAGRAM - 26
CN2810
PLAY_SW
ST_SW
OP/CL_REV
OP/CL_FWD
OPEN_SW
+5V
POSITION
BOTTOM
UP/DOWN_R
UP/DOWN_F
GND
CHANGE_SW
LOAD_GND
+7.5V
R3636 1K
R2987 0
R2986 0
R2985 0
R2984 0
R2983 0
R2840 220
R2982 0
R2981 0
R2980 0
R2979 0
R2978 0
D2901 B0ACCK000005
D2911 B0ACCK000005
Q2906 B1GBCFJA0028 SWITCH
R2568 47K
R2567 39K
R2569 15K
C2979 50V4.7
D2913 B0ADCJ000020
D2912 B0ACCK000005
R2080 0
R2081 0
DVD_AC
+9.0V
-9.0V
MOT10V
SW5V
DCDET
OP_CL_REV
OP_CL_FWD
BOTTOWM_SW
UP_DOWN_R
UP_DOWN_F
CHANGE_SW
CD8V
IC2803 C0DBEZG00021 REGULATOR IC
GND VCC VO NC PVCC ADJ
D2810, D2811, D2837 B0EAKM000117
D2811
D2810
D2837
D+5V
R2817 0
R2818 560
C2827 6.3V220
R2829 1K
C2826 1
C3612 6.3V1000P
C2825 1
C2048 50V10
R2860 2.2K
L2905 G0A200D00002
R3642 0
ADAC5V
R3629 56K
C2050 50V22
R3628 56K
Q2920 B1GDCFGA0018 MUTING SWITCH
W2132 0
-9.0V
MIX_MUTE
Q2806 B1GBCFJN0033 SWITCH
DVD_STA
DVD_CMD
DVD_CLK
MOT10V
DVD_MUTE
D+5V
SUBW
CENT
SR
SL
FRONT_R
FRONT_L
MIX_R
MIX_L
ADAC5V
S_C
S_Y
CR_R
CB_B
PY
Q2806
R2814 470
L2904 G0A200D00002
C2049 6.3V220
R3639 0
R3638 0
R3637 0
D2836 B0EAKM000117
R3644 0
C2600 50V10
C2500 16V10
C2400 16V10
C2312 16V10
C2200 50V1
C2100 50V1
C2240 50V10
C2141 50V10
R2827 0
W3005 0
W3004 0
W2125 0
DVD_STA DVD_CMD DVD_CLK MGND M+9V MGND M+9V DGND D+1.2V DGND D+1.2V AGND A+5V AGND A+5V DGND D+5V DGND D+5V DGND DGND ZFLAG SUBW ADACGND CENTER ADACGND SR ADACGND SL ADACGND FR ADACGND FL ADACGND MIXR ADAC5V MIXL ADAC5V C YGND Y YGND CR/PR/R YGND CB/PB/B YGND PY/Y/G YGND
CN2813
TO A DVD MODULE CIRCUIT (FP8101) ON SCHEMATIC DIAGRAM - 4

B MAIN CIRCUIT

—— : +B SIGNAL LINE

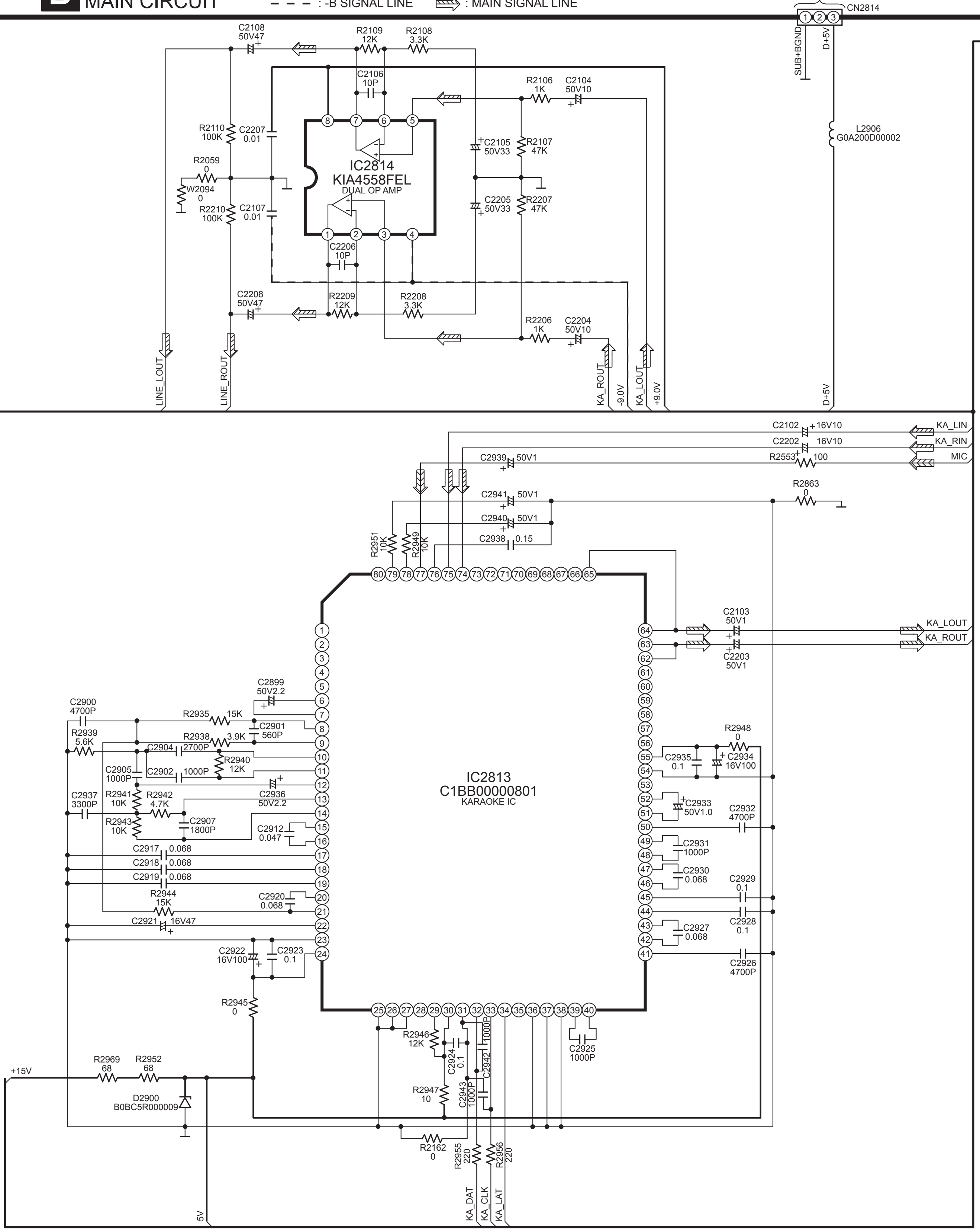
– – – : -B SIGNAL LINE

: MIC SIGNAL LINE

: MAIN SIGNAL LINE

I

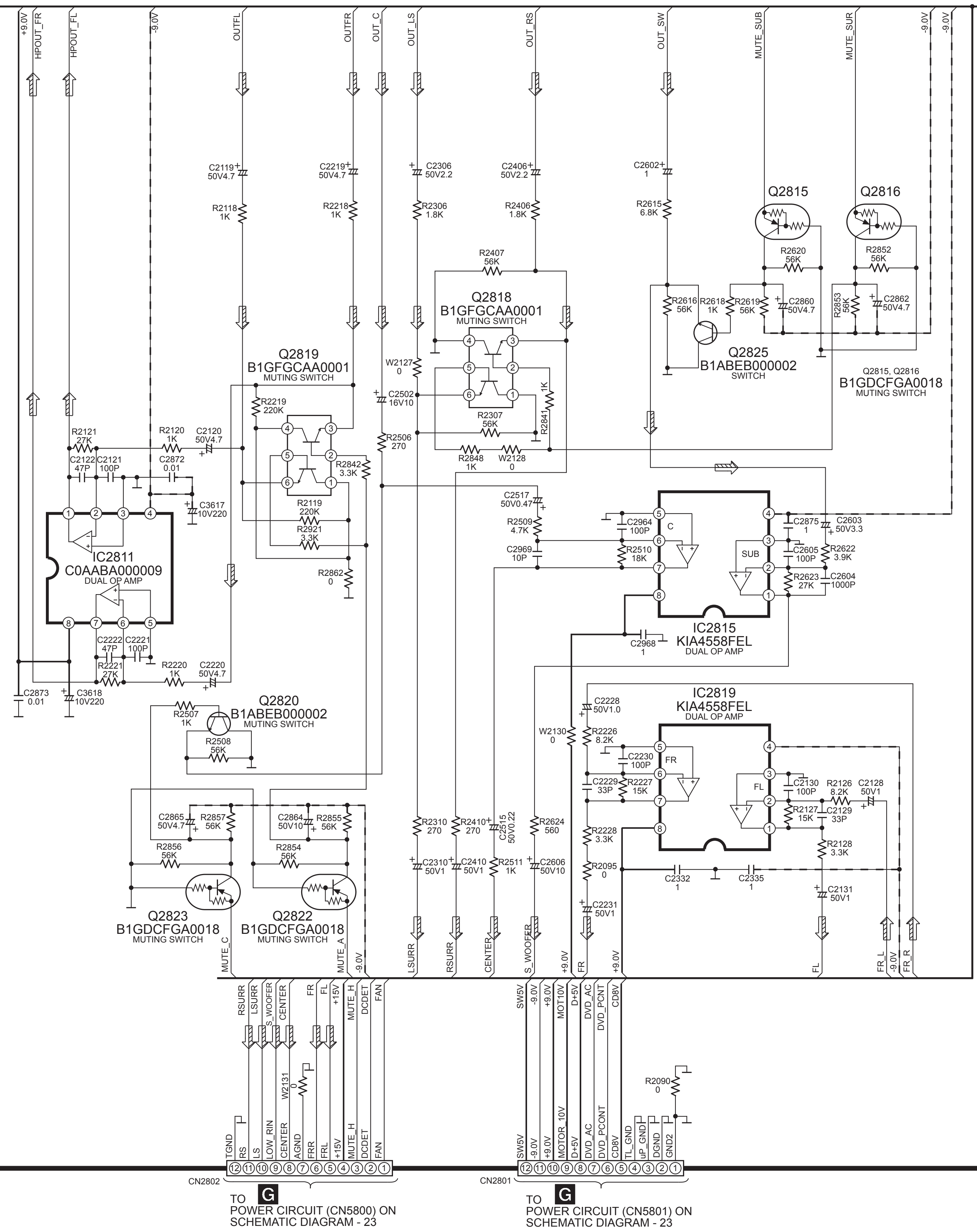
TO
TRANSFORMER CIRCUIT (H9502/W9502)
ON SCHEMATIC DIAGRAM - 25


CN2814
1
2
3
SUB+BGND
D+5V
L2906
G0A200D00002
C2108
50V47
R2109
12K
R2108
3.3K
C2106
10P
R2106
1K
C2104
50V10
R2110
100K
C2207
0.01
C2105
50V33
R2107
47K
R2059
0
W2094
0
IC2814
KIA4558FEL
DUAL OP AMP
R2210
100K
C2107
0.01
C2205
50V33
R2207
47K
C2206
10P
C2208
50V47
R2209
12K
R2208
3.3K
R2206
1K
C2204
50V10
LINE_LOUT
LINE_ROUT
KA_ROUT
-9.0V
KA_LOUT
+9.0V
D+5V
C2102
16V10
KA_LIN
C2202
16V10
KA_RIN
C2939
50V1
R2553
100
MIC
R2863
0
C2941
50V1
C2940
50V1
C2938
0.15
R2951
10K
R2949
10K
C2103
50V1
KA_LOUT
KA_ROUT
C2203
50V1
IC2813
C1BB00000801
KARAOKE IC
C2899
50V2.2
C2900
4700P
R2935
15K
C2901
560P
R2939
5.6K
R2938
3.9K
C2904
2700P
R2940
12K
C2905
1000P
C2902
1000P
C2936
50V2.2
C2937
3300P
R2941
10K
R2942
4.7K
R2943
10K
C2907
1800P
C2912
0.047
C2917
0.068
C2918
0.068
C2919
0.068
R2944
15K
C2920
0.068
C2921
16V47
C2922
16V100
C2923
0.1
R2945
0
R2948
0
C2935
0.1
C2934
16V100
C2933
50V1.0
C2932
4700P
C2931
1000P
C2930
0.068
C2929
0.1
C2928
0.1
C2927
0.068
C2926
4700P
C2925
1000P
R2946
12K
C2924
0.1
C2942
1000P
R2947
10
C2943
1000P
R2162
0
R2955
220
R2956
220
KA_DAT
KA_CLK
KA_LAT
+15V
R2969
68
R2952
68
D2900
B0BC5R000009
5V

SCHEMATIC DIAGRAM - 13

B MAIN CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE

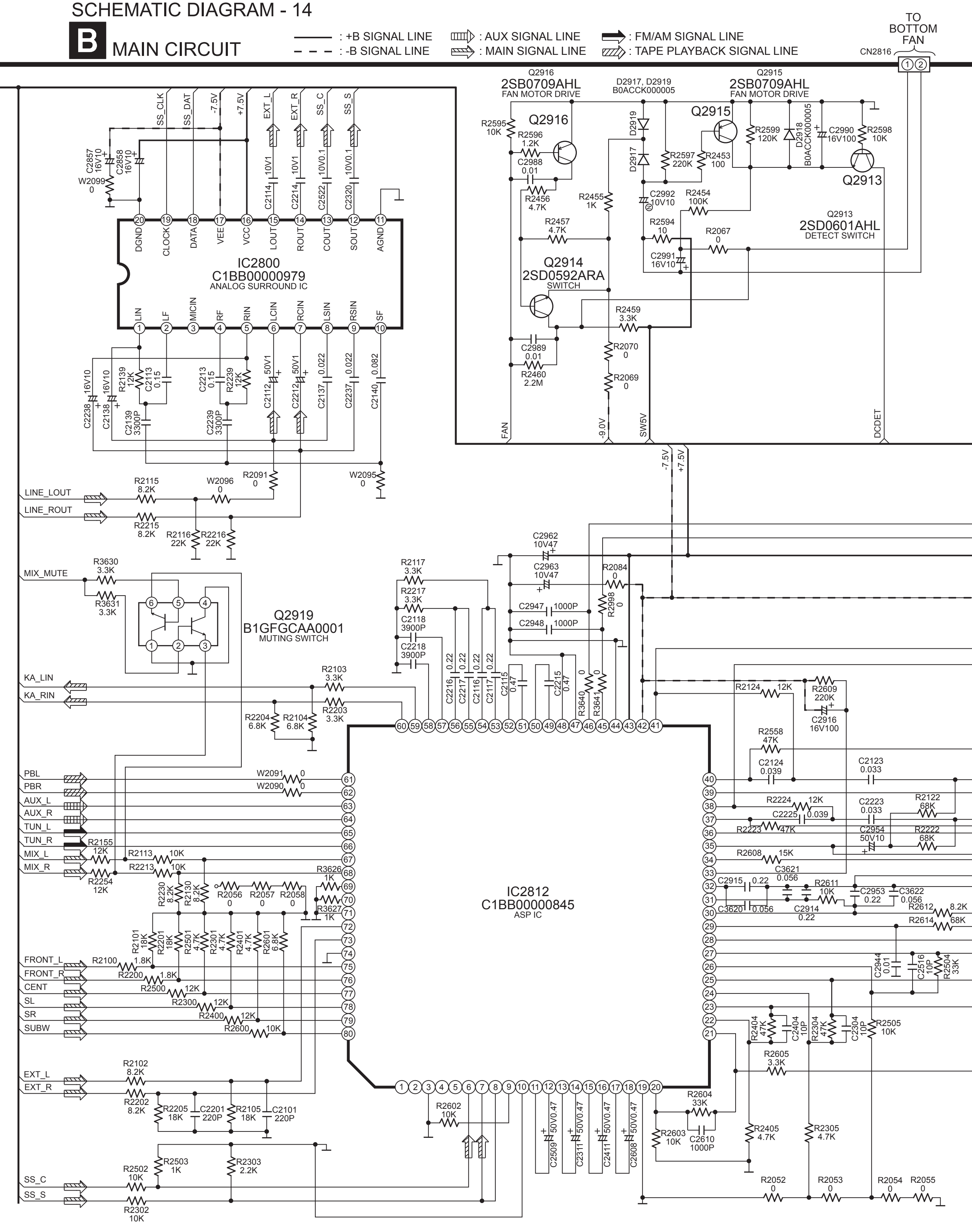


+9.0V
HPOUT_FR
HPOUT_FL
-9.0V
OUTFL
OUTFR
OUT_C
OUT_LS
OUT_RS
OUT_SW
MUTE_SUB
MUTE_SUR
-9.0V
-9.0V
C2119 50V4.7
C2219 50V4.7
C2306 50V2.2
C2406 50V2.2
C2602 1
R2118 1K
R2218 1K
R2306 1.8K
R2406 1.8K
R2615 6.8K
Q2815
Q2816
R2407 56K
Q2818
B1GFGCAA0001
MUTING SWITCH
R2620 56K
R2852 56K
R2616 56K
R2618 1K
R2619 56K
C2860 50V4.7
R2853 56K
C2862 50V4.7
Q2825
B1ABEB000002
SWITCH
Q2815, Q2816
B1GDCFGA0018
MUTING SWITCH
Q2819
B1GFGCAA0001
MUTING SWITCH
W2127 0
C2502 16V10
R2219 220K
R2307 56K
R2841 1K
R2121 27K
R2120 1K
C2120 50V4.7
R2506 270
R2848 1K
W2128 0
C2122 47P
C2121 100P
C2872 0.01
R2842 3.3K
C3617 10V220
R2119 220K
R2921 3.3K
C2517 50V0.47
R2509 4.7K
C2964 100P
C2875 1
C2603 50V3.3
C
SUB
R2510 18K
C2605 100P
R2622 3.9K
C2969 10P
R2623 27K
C2604 1000P
IC2811
C0AABA000009
DUAL OP AMP
R2862 0
IC2815
KIA4558FEL
DUAL OP AMP
C2968 1
C2222 47P
C2221 100P
R2221 27K
R2220 1K
C2220 50V4.7
C2873 0.01
C3618 10V220
Q2820
B1ABEB000002
MUTING SWITCH
R2507 1K
R2508 56K
IC2819
KIA4558FEL
DUAL OP AMP
C2228 50V1.0
W2130 0
R2226 8.2K
C2230 100P
FR
FL
C2229 33P
R2227 15K
C2130 100P
R2126 8.2K
C2128 50V1
R2127 15K
C2129 33P
C2865 50V4.7
R2857 56K
C2864 50V10
R2855 56K
R2856 56K
R2854 56K
R2310 270
R2410 270
C2515 50V0.22
R2624 560
R2228 3.3K
R2128 3.3K
C2310 50V1
C2410 50V1
R2511 1K
C2606 50V10
R2095 0
C2332 1
C2335 1
C2131 50V1
C2231 50V1
Q2823
B1GDCFGA0018
MUTING SWITCH
Q2822
B1GDCFGA0018
MUTING SWITCH
MUTE_C
MUTE_A
-9.0V
LSURR
RSURR
CENTER
S_WOOFER
+9.0V
FR
+9.0V
FL
FR_L
-9.0V
FR_R
RSURR
LSURR
S_WOOFER
CENTER
FR
FL
+15V
MUTE_H
DCDET
FAN
SW5V
-9.0V
+9.0V
MOT10V
D+5V
DVD_AC
DVD_PCONT
CD8V
W2131 0
R2090 0
TGND
RS
LS
LOW_RIN
CENTER
AGND
FRR
FRL
+15V
MUTE_H
DCDET
FAN
SW5V
-9.0V
+9.0V
MOTOR 10V
D+5V
DVD_AC
DVD_PCONT
CD8V
TL_GND
uP_GND
DGND
GND2
CN2802
CN2801
TO G POWER CIRCUIT (CN5800) ON SCHEMATIC DIAGRAM - 23
TO G POWER CIRCUIT (CN5801) ON SCHEMATIC DIAGRAM - 23

SCHEMATIC DIAGRAM - 14

B MAIN CIRCUIT

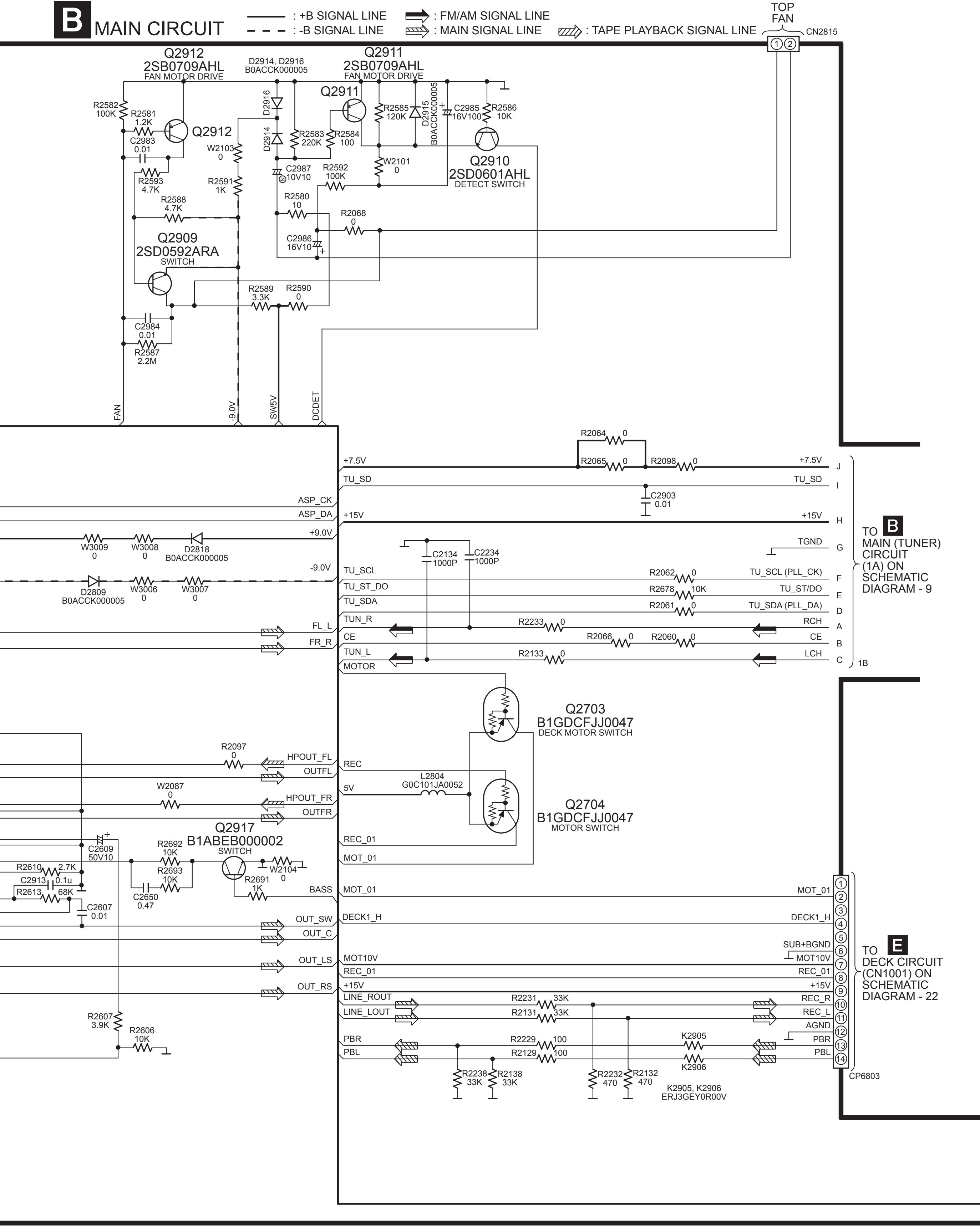
——— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
▥⇨ : AUX SIGNAL LINE
⇨ : MAIN SIGNAL LINE
➡ : FM/AM SIGNAL LINE
▨⇨ : TAPE PLAYBACK SIGNAL LINE


TO BOTTOM FAN
CN2816
① ②
Q2916
2SB0709AHL
FAN MOTOR DRIVE
D2917, D2919
B0ACCK000005
Q2915
2SB0709AHL
FAN MOTOR DRIVE
Q2913
2SD0601AHL
DETECT SWITCH
Q2914
2SD0592ARA
SWITCH
R2595 10K
R2596 1.2K
C2988 0.01
R2456 4.7K
R2457 4.7K
R2455 1K
C2992 10V10
R2454 100K
R2594 10
R2067 0
C2991 16V10
R2597 220K
R2453 100
R2599 120K
D2918 B0ACCK000005
C2990 16V100
R2598 10K
R2459 3.3K
R2070 0
R2069 0
C2989 0.01
R2460 2.2M
FAN
-9.0V
SW5V
DCDET
-7.5V
+7.5V
SS_CLK
SS_DAT
-7.5V
+7.5V
EXT_L
EXT_R
SS_C
SS_S
C2857 16V10
C2858 16V10
W2099 0
C2114 10V1
C2214 10V1
C2522 10V0.1
C2320 10V0.1
IC2800
C1BB00000979
ANALOG SURROUND IC
DGND CLOCK DATA VEE VCC LOUT ROUT COUT SOUT AGND
LIN LF MICIN RF RIN LCIN RCIN LSIN RSIN SF
C2238 16V10
C2138 16V10
R2139 12K
C2113 0.15
C2139 3300P
C2213 0.15
R2239 12K
C2239 3300P
C2112 50V1
C2212 50V1
C2137 0.022
C2237 0.022
C2140 0.082
R2091 0
W2095 0
LINE_LOUT
LINE_ROUT
R2115 8.2K
W2096 0
R2215 8.2K
R2116 22K
R2216 22K
MIX_MUTE
R3630 3.3K
R3631 3.3K
Q2919
B1GFGCAA0001
MUTING SWITCH
KA_LIN
KA_RIN
R2103 3.3K
R2203 3.3K
R2204 6.8K
R2104 6.8K
R2117 3.3K
R2217 3.3K
C2118 3900P
C2218 3900P
C2962 10V47
C2963 10V47
R2084 0
R2998 0
C2947 1000P
C2948 1000P
C2216 0.22
C2217 0.22
C2116 0.22
C2117 0.22
C2115 0.47
C2215 0.47
R3640 0
R3641 0
R2124 12K
R2609 220K
C2916 16V100
R2558 47K
C2124 0.039
C2123 0.033
R2224 12K
C2225 0.039
C2223 0.033
R2122 68K
R2223 47K
C2954 50V10
R2222 68K
R2608 15K
C3621 0.056
C2915 0.22
R2611 10K
C2953 0.22
C3622 0.056
C3620 0.056
C2914 0.22
R2612 8.2K
R2614 68K
C2944 0.01
C2516 10P
R2504 33K
R2404 47K
C2404 10P
R2304 47K
C2304 10P
R2505 10K
R2605 3.3K
R2604 33K
R2603 10K
C2610 1000P
R2405 4.7K
R2305 4.7K
R2052 0
R2053 0
R2054 0
R2055 0
IC2812
C1BB00000845
ASP IC
PBL
PBR
AUX_L
AUX_R
TUN_L
TUN_R
MIX_L
MIX_R
W2091 0
W2090 0
R2155 12K
R2113 10K
R2213 10K
R2254 12K
R3626 1K
R3627 1K
R2230 8.2K
R2130 8.2K
R2056 0
R2057 0
R2058 0
R2101 18K
R2201 18K
R2501 4.7K
R2301 4.7K
R2401 4.7K
R2601 6.8K
FRONT_L
FRONT_R
CENT
SL
SR
SUBW
R2100 1.8K
R2200 1.8K
R2500 12K
R2300 12K
R2400 12K
R2600 10K
EXT_L
EXT_R
R2102 8.2K
R2202 8.2K
R2205 18K
C2201 220P
R2105 18K
C2101 220P
R2503 1K
R2303 2.2K
SS_C
SS_S
R2502 10K
R2302 10K
R2602 10K
C2509 50V0.47
C2311 50V0.47
C2411 50V0.47
C2608 50V0.47

SCHEMATIC DIAGRAM - 15

B MAIN CIRCUIT

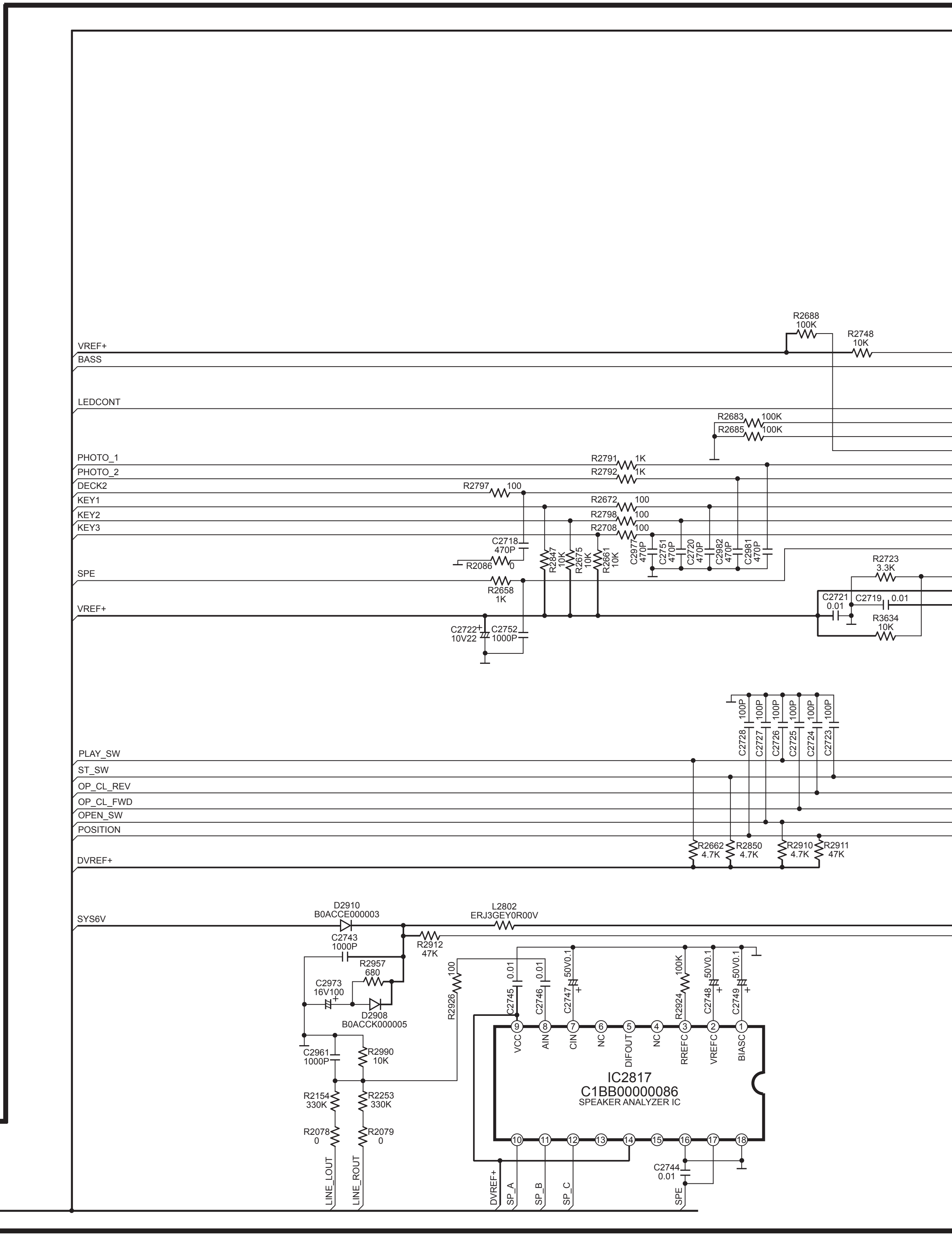
——— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
➡ : FM/AM SIGNAL LINE
⇨ : MAIN SIGNAL LINE
▨ : TAPE PLAYBACK SIGNAL LINE


TO TOP FAN
CN2815
Q2912
2SB0709AHL
FAN MOTOR DRIVE
D2914, D2916
B0ACCK000005
Q2911
2SB0709AHL
FAN MOTOR DRIVE
R2582 100K
R2581 1.2K
Q2912
C2983 0.01
W2103 0
D2916
D2914
Q2911
R2583 220K
R2584 100
R2585 120K
D2915 B0ACCK000005
C2985 16V100
R2586 10K
Q2910
2SD0601AHL
DETECT SWITCH
W2101 0
R2593 4.7K
R2591 1K
C2987 10V10
R2592 100K
R2588 4.7K
R2580 10
R2068 0
Q2909
2SD0592ARA
SWITCH
C2986 16V10
R2589 3.3K
R2590 0
C2984 0.01
R2587 2.2M
FAN
-9.0V
SW5V
DCDET
R2064 0
R2065 0
R2098 0
+7.5V
+7.5V
J
TU_SD
TU_SD
I
C2903 0.01
ASP_CK
ASP_DA
+15V
+15V
H
+9.0V
W3009 0
W3008 0
D2818 B0ACCK000005
C2134 1000P
C2234 1000P
TGND
G
-9.0V
D2809 B0ACCK000005
W3006 0
W3007 0
TU_SCL
R2062 0
TU_SCL (PLL_CK)
F
TU_ST_DO
R2678 10K
TU_ST/DO
E
TU_SDA
R2061 0
TU_SDA (PLL_DA)
D
TUN_R
R2233 0
RCH
A
FL_L
FR_R
CE
R2066 0
R2060 0
CE
B
TUN_L
R2133 0
LCH
C
MOTOR
1B
TO B MAIN (TUNER) CIRCUIT (1A) ON SCHEMATIC DIAGRAM - 9
Q2703
B1GDCFJJ0047
DECK MOTOR SWITCH
R2097 0
HPOUT_FL
OUTFL
REC
L2804
G0C101JA0052
5V
W2087 0
HPOUT_FR
OUTFR
Q2704
B1GDCFJJ0047
MOTOR SWITCH
Q2917
B1ABEB000002
SWITCH
C2609 50V10
R2692 10K
REC_01
R2610 2.7K
R2693 10K
W2104 0
MOT_01
C2913 0.1u
R2691 1K
R2613 68K
C2650 0.47
BASS
MOT_01
MOT_01
C2607 0.01
OUT_SW
DECK1_H
DECK1_H
OUT_C
SUB+BGND
MOT10V
OUT_LS
MOT10V
REC_01
REC_01
OUT_RS
+15V
+15V
LINE_ROUT
R2231 33K
REC_R
LINE_LOUT
R2131 33K
REC_L
R2607 3.9K
R2606 10K
AGND
PBR
R2229 100
K2905
PBR
PBL
R2129 100
K2906
PBL
R2238 33K
R2138 33K
R2232 470
R2132 470
K2905, K2906
ERJ3GEY0R00V
CP6803
TO E DECK CIRCUIT (CN1001) ON SCHEMATIC DIAGRAM - 22

SCHEMATIC DIAGRAM - 16

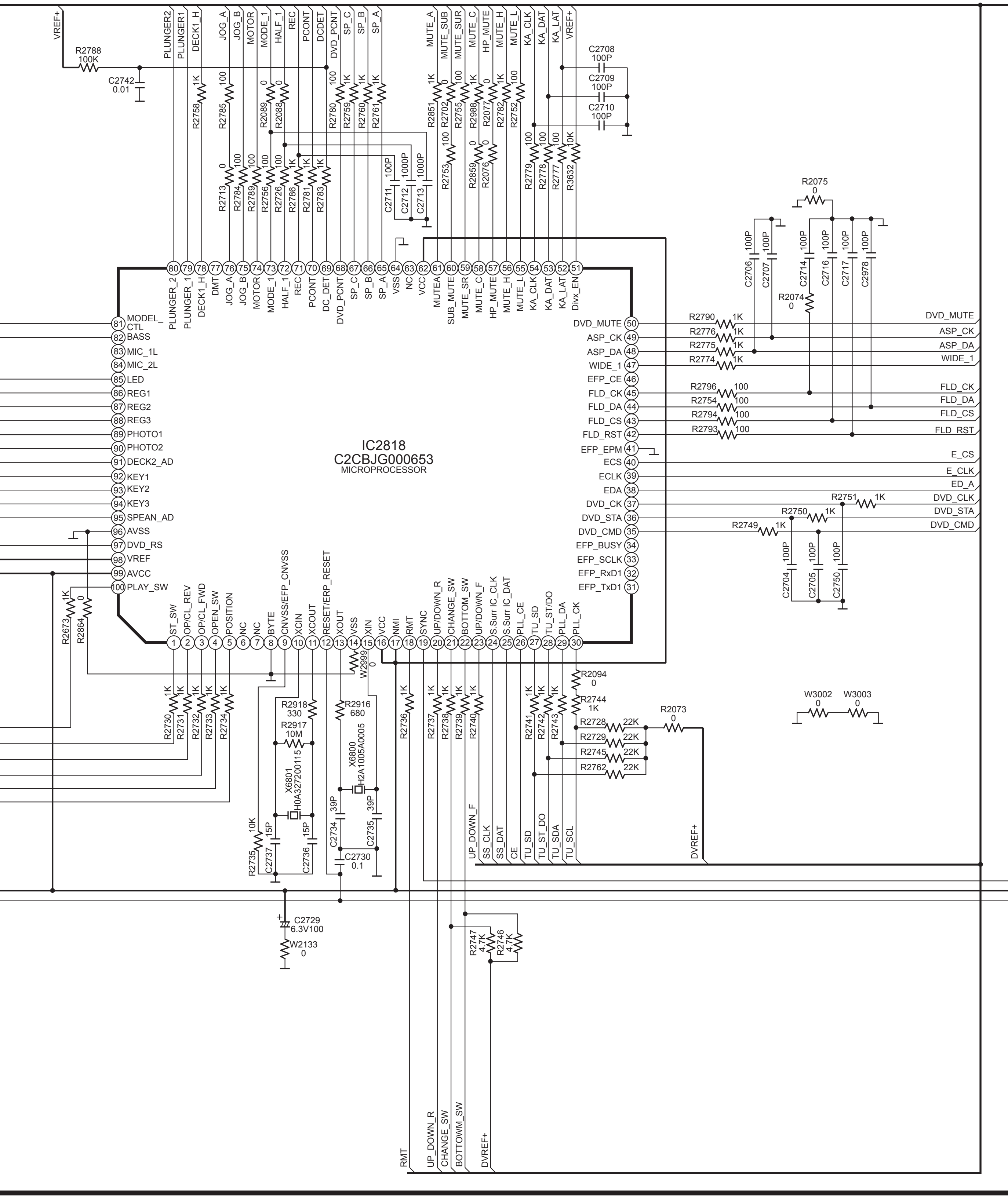
B MAIN CIRCUIT

——— : +B SIGNAL LINE


VREF+
BASS
LEDCONT
PHOTO_1
PHOTO_2
DECK2
KEY1
KEY2
KEY3
SPE
VREF+
PLAY_SW
ST_SW
OP_CL_REV
OP_CL_FWD
OPEN_SW
POSITION
DVREF+
SYS6V
R2688 100K
R2748 10K
R2683 100K
R2685 100K
R2791 1K
R2792 1K
R2797 100
R2672 100
R2798 100
R2708 100
C2718 470P
R2086 0
R2847 10K
R2675 10K
R2661 10K
C2977 470P
C2751 470P
C2720 470P
C2982 470P
C2981 470P
R2658 1K
C2722 10V22
C2752 1000P
R2723 3.3K
C2721 0.01
C2719 0.01
R3634 10K
C2728 100P
C2727 100P
C2726 100P
C2725 100P
C2724 100P
C2723 100P
R2662 4.7K
R2850 4.7K
R2910 4.7K
R2911 47K
D2910 B0ACCE000003
L2802 ERJ3GEY0R00V
C2743 1000P
R2912 47K
R2957 680
C2973 16V100
D2908 B0ACCK000005
R2926 100
C2745 0.01
C2746 0.01
C2747 50V0.1
R2924 100K
C2748 50V0.1
C2749 50V0.1
C2961 1000P
R2990 10K
R2154 330K
R2253 330K
R2078 0
R2079 0
9 VCC
8 AIN
7 CIN
6 NC
5 DIFOUT
4 NC
3 RREFC
2 VREFC
1 BIASC
IC2817
C1BB00000086
SPEAKER ANALYZER IC
10
11
12
13
14
15
16
17
18
C2744 0.01
LINE_LOUT
LINE_ROUT
DVREF+
SP_A
SP_B
SP_C
SPE

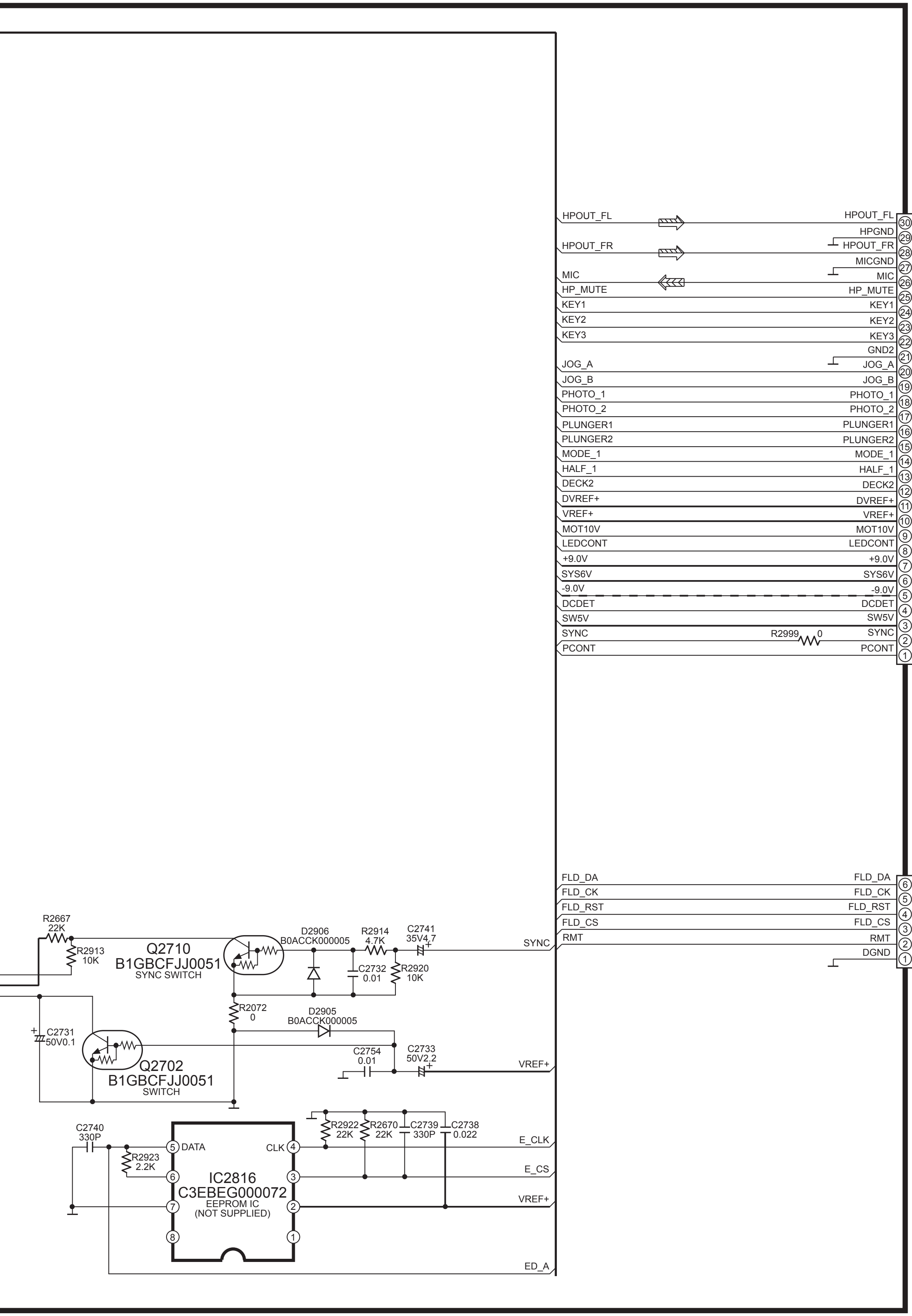
B MAIN CIRCUIT

—— : +B SIGNAL LINE


IC2818
C2CBJG000653
MICROPROCESSOR
VREF+
R2788
100K
C2742
0.01
PLUNGER2
PLUNGER1
DECK1_H
JOG_A
JOG_B
MOTOR
MODE_1
HALF_1
REC
PCONT
DCDET
DVD_PCNT
SP_C
SP_B
SP_A
MUTE_A
MUTE_SUB
MUTE_SUR
MUTE_C
HP_MUTE
MUTE_H
MUTE_L
KA_CLK
KA_DAT
KA_LAT
VREF+
C2708
100P
C2709
100P
C2710
100P
R2758 1K
R2785 100
R2089 0
R2088 0
R2780 100
R2759 1K
R2760 1K
R2761 1K
R2851 1K
R2702 0
R2755 100
R2988 1K
R2077 0
R2782 1K
R2752 100
R2713 0
R2784 100
R2789 100
R2756 100
R2726 100
R2786 1K
R2781 1K
R2783 1K
C2711 100P
C2712 1000P
C2713 1000P
R2753 100
R2859 0
R2076 0
R2779 100
R2778 100
R2777 100
R3632 10K
R2075
0
C2706 100P
C2707 100P
C2714 100P
C2716 100P
C2717 100P
C2978 100P
R2074
0
80 PLUNGER_2
79 PLUNGER_1
78 DECK1_H
77 DMT
76 JOG_A
75 JOG_B
74 MOTOR
73 MODE_1
72 HALF_1
71 REC
70 PCONT
69 DC_DET
68 DVD_PCNT
67 SP_C
66 SP_B
65 SP_A
64 VSS
63 NC
62 VCC
61 MUTEA
60 SUB_MUTE
59 MUTE_SR
58 MUTE_C
57 HP_MUTE
56 MUTE_H
55 MUTE_L
54 KA_CLK
53 KA_DAT
52 KA_LAT
51 Divx_EN
81 MODEL_CTL
82 BASS
83 MIC_1L
84 MIC_2L
85 LED
86 REG1
87 REG2
88 REG3
89 PHOTO1
90 PHOTO2
91 DECK2_AD
92 KEY1
93 KEY2
94 KEY3
95 SPEAN_AD
96 AVSS
97 DVD_RS
98 VREF
99 AVCC
100 PLAY_SW
DVD_MUTE 50
ASP_CK 49
ASP_DA 48
WIDE_1 47
EFP_CE 46
FLD_CK 45
FLD_DA 44
FLD_CS 43
FLD_RST 42
EFP_EPM 41
ECS 40
ECLK 39
EDA 38
DVD_CK 37
DVD_STA 36
DVD_CMD 35
EFP_BUSY 34
EFP_SCLK 33
EFP_RxD1 32
EFP_TxD1 31
R2790 1K
R2776 1K
R2775 1K
R2774 1K
R2796 100
R2754 100
R2794 100
R2793 100
DVD_MUTE
ASP_CK
ASP_DA
WIDE_1
FLD_CK
FLD_DA
FLD_CS
FLD_RST
E_CS
E_CLK
ED_A
DVD_CLK
DVD_STA
DVD_CMD
R2751 1K
R2750 1K
R2749 1K
C2704 100P
C2705 100P
C2750 100P
1 ST_SW
2 OP/CL_REV
3 OP/CL_FWD
4 OPEN_SW
5 POSITION
6 NC
7 NC
8 BYTE
9 CNVSS/EFP_CNVSS
10 XCIN
11 XCOUT
12 RESET/ERP_RESET
13 XOUT
14 VSS
15 XIN
16 VCC
17 NMI
18 RMT
19 SYNC
20 UP/DOWN_R
21 CHANGE_SW
22 BOTTOM_SW
23 UP/DOWN_F
24 S.Surr IC_CLK
25 S.Surr IC_DAT
26 PLL_CE
27 TU_SD
28 TU_ST/DO
29 PLL_DA
30 PLL_CK
R2673 1K
R2864 0
W2999
0
R2730 1K
R2731 1K
R2732 1K
R2733 1K
R2734 1K
R2918
330
R2917
10M
R2916
680
X6801
H0A327200115
X6800
H2A1005A0005
R2735 10K
C2737 15P
C2736 15P
C2734 39P
C2735 39P
C2730
0.1
R2736 1K
R2737 1K
R2738 1K
R2739 1K
R2740 1K
R2741 1K
R2742 1K
R2743 1K
R2094
0
R2744
1K
R2728 22K
R2729 22K
R2745 22K
R2762 22K
R2073
0
W3002
0
W3003
0
UP_DOWN_F
SS_CLK
SS_DAT
CE
TU_SD
TU_ST_DO
TU_SDA
TU_SCL
DVREF+
C2729
6.3V100
W2133
0
R2747
4.7K
R2746
4.7K
RMT
UP_DOWN_R
CHANGE_SW
BOTTOWM_SW
DVREF+

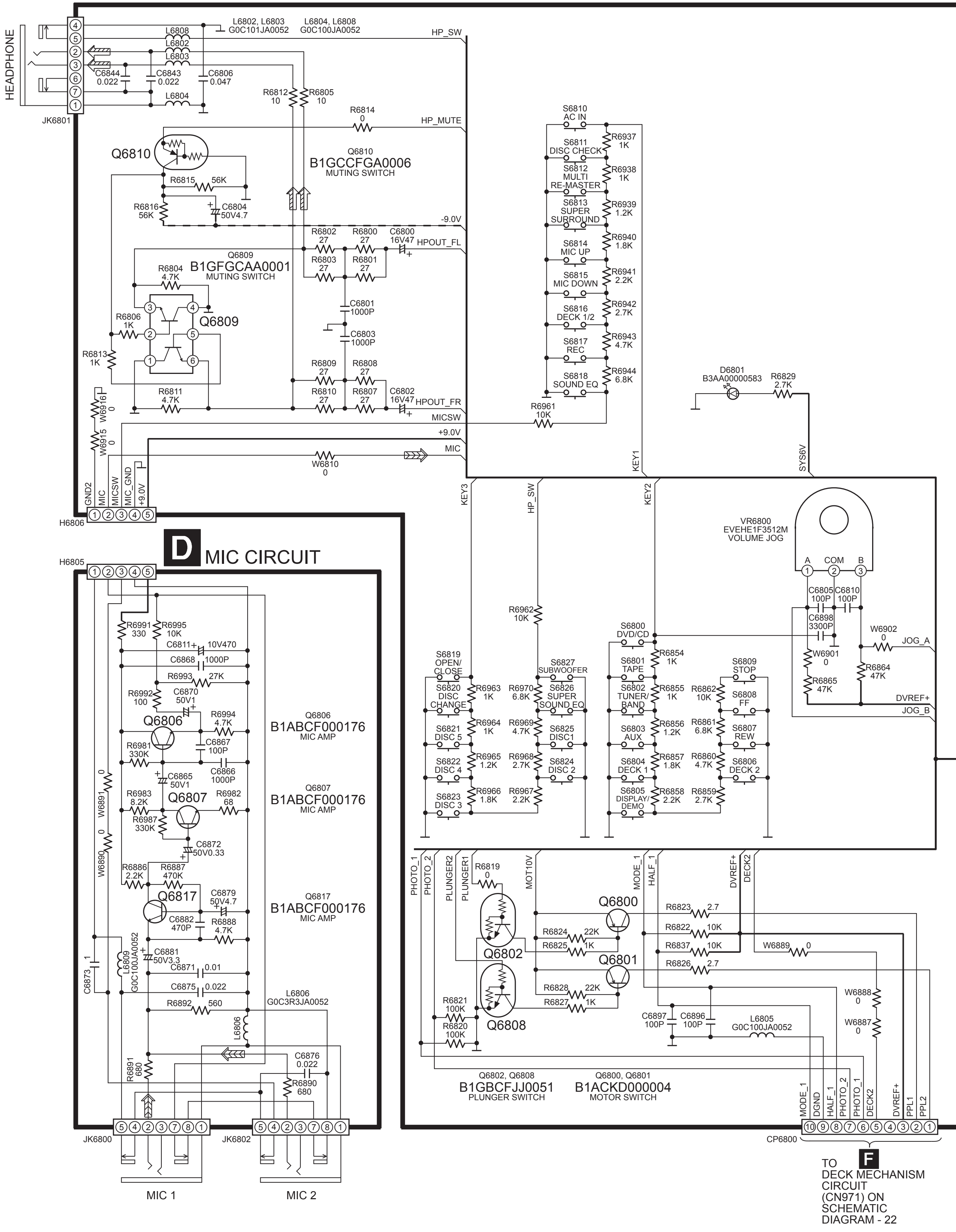
B MAIN CIRCUIT

—— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
⇨ : MIC SIGNAL LINE
⇨ : MAIN SIGNAL LINE


HPOUT_FL
HPOUT_FR
MIC
HP_MUTE
KEY1
KEY2
KEY3
JOG_A
JOG_B
PHOTO_1
PHOTO_2
PLUNGER1
PLUNGER2
MODE_1
HALF_1
DECK2
DVREF+
VREF+
MOT10V
LEDCONT
+9.0V
SYS6V
-9.0V
DCDET
SW5V
SYNC
PCONT
HPOUT_FL 30
HPGND 29
HPOUT_FR 28
MICGND 27
MIC 26
HP_MUTE 25
KEY1 24
KEY2 23
KEY3 22
GND2 21
JOG_A 20
JOG_B 19
PHOTO_1 18
PHOTO_2 17
PLUNGER1 16
PLUNGER2 15
MODE_1 14
HALF_1 13
DECK2 12
DVREF+ 11
VREF+ 10
MOT10V 9
LEDCONT 8
+9.0V 7
SYS6V 6
-9.0V 5
DCDET 4
SW5V 3
R2999 0
SYNC 2
PCONT 1
CN2811
TO C PANEL CIRCUIT (CN6811) ON SCHEMATIC DIAGRAM - 20
FLD_DA
FLD_CK
FLD_RST
FLD_CS
RMT
FLD_DA 6
FLD_CK 5
FLD_RST 4
FLD_CS 3
RMT 2
DGND 1
CN2808
TO C PANEL CIRCUIT (H6807) ON SCHEMATIC DIAGRAM - 20
R2667 22K
R2913 10K
Q2710 B1GBCFJJ0051 SYNC SWITCH
D2906 B0ACCK000005
R2914 4.7K
C2741 35V4.7
C2732 0.01
R2920 10K
SYNC
R2072 0
D2905 B0ACCK000005
C2731 50V0.1
Q2702 B1GBCFJJ0051 SWITCH
C2754 0.01
C2733 50V2.2
VREF+
C2740 330P
R2923 2.2K
5 DATA
6
7
8
CLK 4
3
2
1
IC2816 C3EBEG000072 EEPROM IC (NOT SUPPLIED)
R2922 22K
R2670 22K
C2739 330P
C2738 0.022
E_CLK
E_CS
VREF+
ED_A

C PANEL CIRCUIT

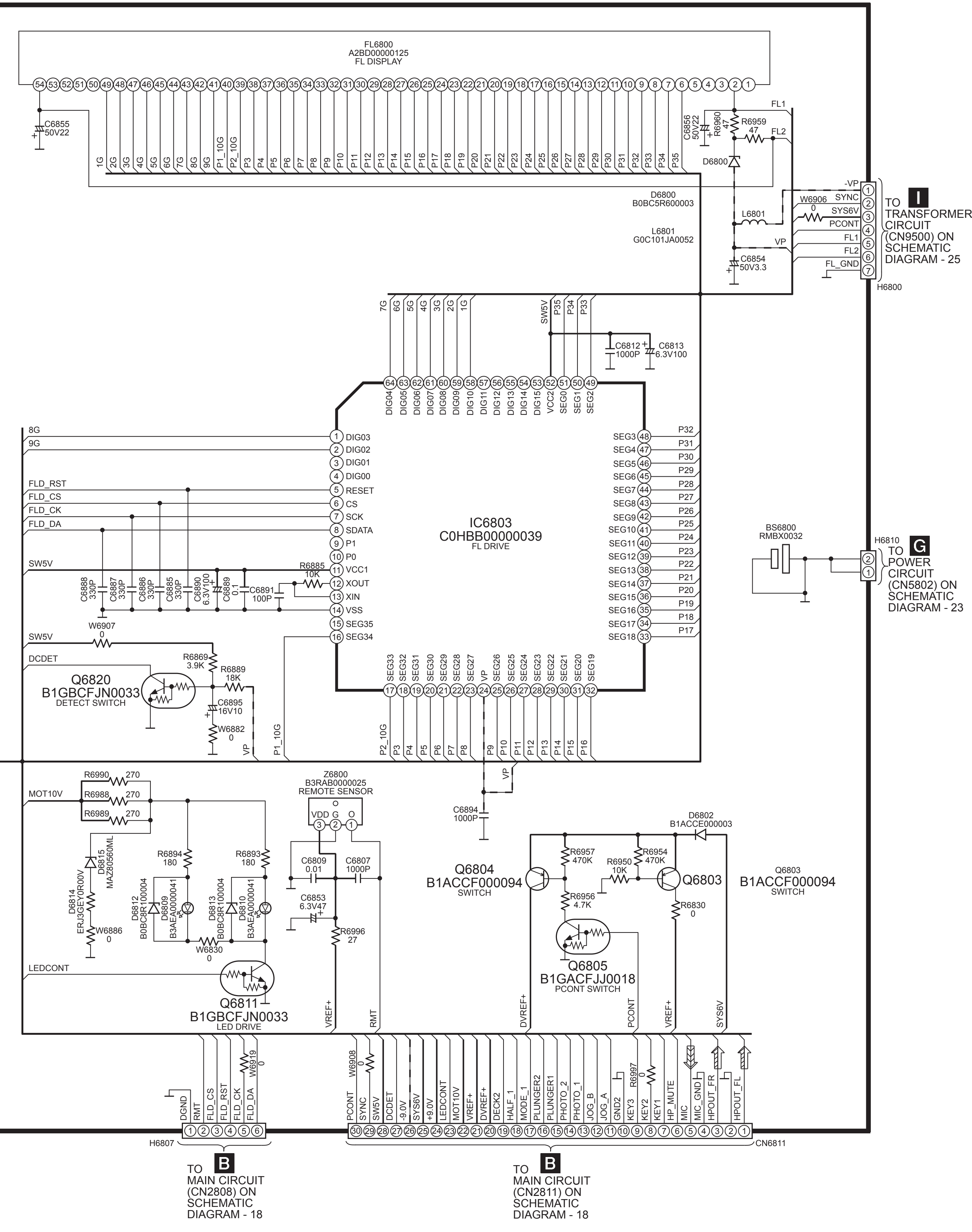
——— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
⇛ : MIC SIGNAL LINE
⇛ : MAIN SIGNAL LINE


HEADPHONE
JK6801
L6802, L6803 G0C101JA0052
L6804, L6808 G0C100JA0052
L6808
L6802
L6803
L6804
C6844 0.022
C6843 0.022
C6806 0.047
HP_SW
R6812 10
R6805 10
R6814 0
HP_MUTE
Q6810
Q6810 B1GCCFGA0006 MUTING SWITCH
R6815 56K
R6816 56K
C6804 50V4.7
-9.0V
R6802 27
R6800 27
C6800 16V47
HPOUT_FL
R6803 27
R6801 27
Q6809 B1GFGCAA0001 MUTING SWITCH
R6804 4.7K
Q6809
R6806 1K
R6813 1K
C6801 1000P
C6803 1000P
R6809 27
R6808 27
R6810 27
R6807 27
C6802 16V47
HPOUT_FR
R6811 4.7K
W6916 0
W6915 0
MICSW
+9.0V
MIC
W6810 0
GND2
MIC
MICSW
MIC_GND
+9.0V
H6806
S6810 AC IN
S6811 DISC CHECK
S6812 MULTI RE-MASTER
S6813 SUPER SURROUND
S6814 MIC UP
S6815 MIC DOWN
S6816 DECK 1/2
S6817 REC
S6818 SOUND EQ
R6937 1K
R6938 1K
R6939 1.2K
R6940 1.8K
R6941 2.2K
R6942 2.7K
R6943 4.7K
R6944 6.8K
R6961 10K
KEY1
D6801 B3AA00000583
R6829 2.7K
SYS6V
KEY3
HP_SW
KEY2
VR6800 EVEHE1F3512M VOLUME JOG
A COM B
C6805 100P
C6810 100P
C6898 3300P
W6902 0
JOG_A
W6901 0
R6865 47K
R6864 47K
DVREF+
JOG_B
R6962 10K
S6800 DVD/CD
S6819 OPEN/CLOSE
S6827 SUBWOOFER
S6801 TAPE
S6809 STOP
R6854 1K
S6820 DISC CHANGE
R6963 1K
R6970 6.8K
S6826 SUPER SOUND EQ
S6802 TUNER/BAND
R6855 1K
R6862 10K
S6808 FF
S6821 DISC 5
R6964 1K
R6969 4.7K
S6825 DISC1
S6803 AUX
R6856 1.2K
R6861 6.8K
S6807 REW
S6822 DISC 4
R6965 1.2K
R6968 2.7K
S6824 DISC 2
S6804 DECK 1
R6857 1.8K
R6860 4.7K
S6806 DECK 2
S6823 DISC 3
R6966 1.8K
R6967 2.2K
S6805 DISPLAY/DEMO
R6858 2.2K
R6859 2.7K
D MIC CIRCUIT
H6805
R6991 330
R6995 10K
C6811 10V470
C6868 1000P
R6993 27K
R6992 100
C6870 50V1
Q6806
R6994 4.7K
C6867 100P
Q6806 B1ABCF000176 MIC AMP
R6981 330K
C6865 50V1
C6866 1000P
R6983 8.2K
Q6807
R6982 68
Q6807 B1ABCF000176 MIC AMP
R6987 330K
C6872 50V0.33
W6891 0
W6890 0
R6886 2.2K
R6887 470K
Q6817
C6879 50V4.7
Q6817 B1ABCF000176 MIC AMP
C6882 470P
R6888 4.7K
C6873 1
L6809 G0C100JA0052
C6881 50V3.3
C6871 0.01
C6875 0.022
R6892 560
L6806 G0C3R3JA0052
L6806
R6891 680
C6876 0.022
R6890 680
JK6800
JK6802
MIC 1
MIC 2
PHOTO_1
PHOTO_2
PLUNGER2
PLUNGER1
R6819 0
MOT10V
MODE_1
HALF_1
DVREF+
DECK2
Q6800
R6823 2.7
R6822 10K
R6824 22K
R6825 1K
Q6802
R6837 10K
W6889 0
Q6801
R6826 2.7
R6828 22K
R6827 1K
R6821 100K
R6820 100K
Q6808
C6897 100P
C6896 100P
L6805 G0C100JA0052
W6888 0
W6887 0
Q6802, Q6808 B1GBCFJJ0051 PLUNGER SWITCH
Q6800, Q6801 B1ACKD000004 MOTOR SWITCH
MODE_1
DGND
HALF_1
PHOTO_2
PHOTO_1
DECK2
DVREF+
PPL1
PPL2
CP6800
TO F DECK MECHANISM CIRCUIT (CN971) ON SCHEMATIC DIAGRAM - 22

SCHEMATIC DIAGRAM - 20

C PANEL CIRCUIT

—— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
⇨ : MIC SIGNAL LINE
⇨ : MAIN SIGNAL LINE



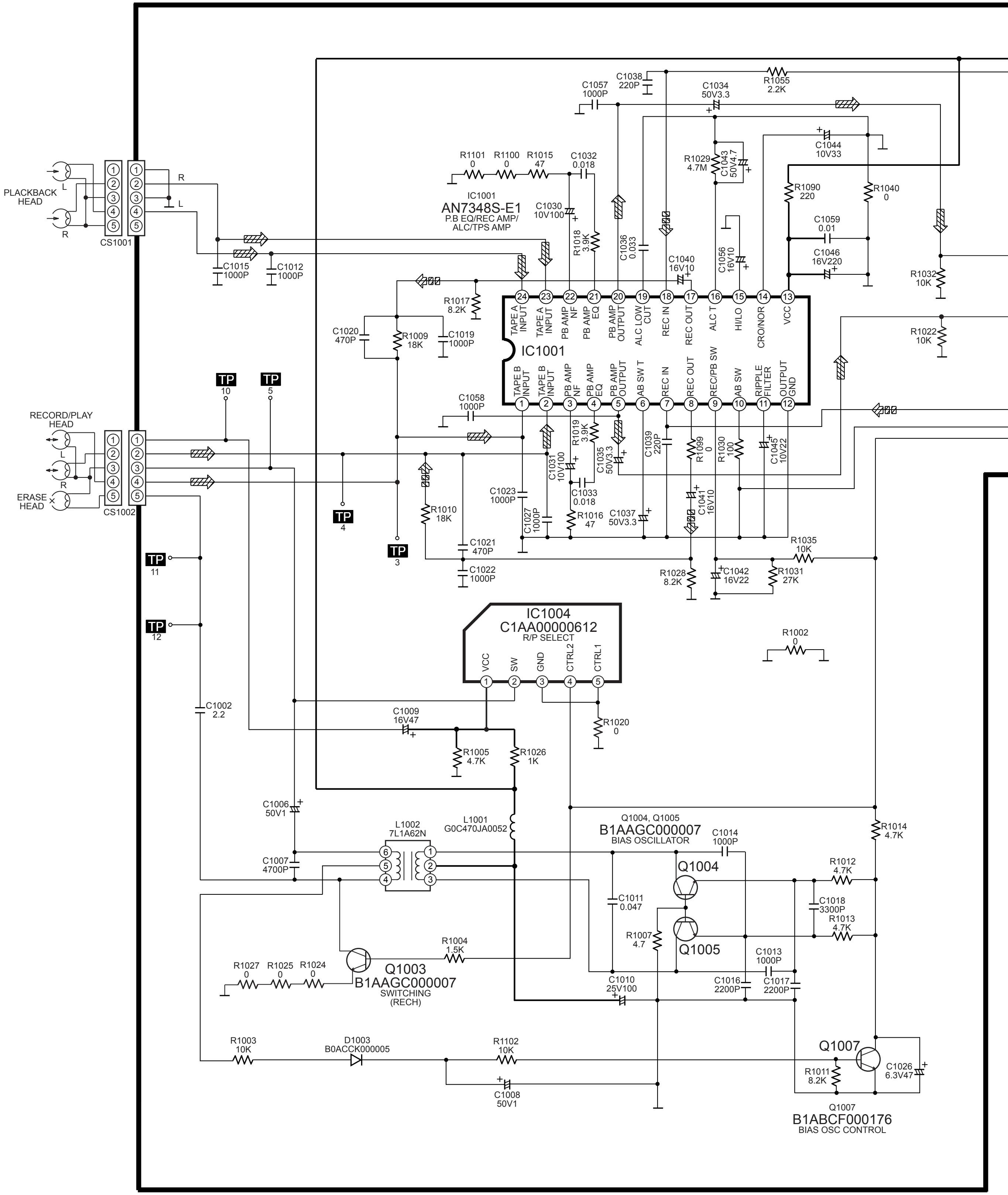
FL6800
A2BD00000125
FL DISPLAY
C6855
50V22
C6856
50V22
R6960
47
R6959
47
FL1
FL2
D6800
D6800
B0BC5R600003
L6801
L6801
G0C101JA0052
C6854
50V3.3
W6906
0
-VP
SYNC
SYS6V
PCONT
FL1
FL2
FL_GND
VP
H6800
TO
I
TRANSFORMER CIRCUIT (CN9500) ON SCHEMATIC DIAGRAM - 25
1G 2G 3G 4G 5G 6G 7G 8G 9G P1_10G P2_10G P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28 P29 P30 P31 P32 P33 P34 P35
SW5V
C6812
1000P
C6813
6.3V100
IC6803
C0HBB00000039
FL DRIVE
DIG03 DIG02 DIG01 DIG00 RESET CS SCK SDATA P1 P0 VCC1 XOUT XIN VSS SEG35 SEG34
DIG04 DIG05 DIG06 DIG07 DIG08 DIG09 DIG10 DIG11 DIG12 DIG13 DIG14 DIG15 VCC2 SEG0 SEG1 SEG2
SEG3 SEG4 SEG5 SEG6 SEG7 SEG8 SEG9 SEG10 SEG11 SEG12 SEG13 SEG14 SEG15 SEG16 SEG17 SEG18
SEG33 SEG32 SEG31 SEG30 SEG29 SEG28 SEG27 VP SEG26 SEG25 SEG24 SEG23 SEG22 SEG21 SEG20 SEG19
8G
9G
FLD_RST
FLD_CS
FLD_CK
FLD_DA
SW5V
C6888
330P
C6887
330P
C6886
330P
C6885
330P
C6890
6.3V100
C6889
0.1
C6891
100P
R6885
10K
W6907
0
SW5V
DCDET
Q6820
B1GBCFJN0033
DETECT SWITCH
R6869
3.9K
R6889
18K
C6895
16V10
W6882
0
VP
P1_10G
P2_10G
BS6800
RMBX0032
H6810
TO
G
POWER CIRCUIT (CN5802) ON SCHEMATIC DIAGRAM - 23
MOT10V
R6990
270
R6988
270
R6989
270
D6815
MAZ80560ML
D6814
ERJ3GEY0R00V
W6886
0
R6894
180
R6893
180
D6812
B0BC8R100004
D6809
B3AEA0000041
D6813
B0BC8R100004
D6810
B3AEA0000041
W6830
0
LEDCONT
Q6811
B1GBCFJN0033
LED DRIVE
Z6800
B3RAB0000025
REMOTE SENSOR
VDD G O
C6809
0.01
C6807
1000P
C6853
6.3V47
R6996
27
VREF+
RMT
C6894
1000P
D6802
B1ACCE000003
Q6804
B1ACCF000094
SWITCH
R6957
470K
R6954
470K
R6950
10K
Q6803
Q6803
B1ACCF000094
SWITCH
R6956
4.7K
R6830
0
Q6805
B1GACFJJ0018
PCONT SWITCH
DVREF+
PCONT
VREF+
SYS6V
DGND RMT FLD_CS FLD_RST FLD_CK FLD_DA
W6919
0
H6807
W6908
0
PCONT SYNC SW5V DCDET -9.0V SYS6V +9.0V LEDCONT MOT10V VREF+ DVREF+ DECK2 HALF_1 MODE_1 PLUNGER2 PLUNGER1 PHOTO_2 PHOTO_1 JOG_B JOG_A GND2 KEY3 KEY2 KEY1 HP_MUTE MIC MIC_GND HPOUT_FR HPOUT_FL
R6997
0
CN6811
TO
B
MAIN CIRCUIT (CN2808) ON SCHEMATIC DIAGRAM - 18
TO
B
MAIN CIRCUIT (CN2811) ON SCHEMATIC DIAGRAM - 18

E DECK CIRCUIT

—— : +B SIGNAL LINE

▨⇨ : RECORD SIGNAL LINE

▨⇨ : PLAYBACK SIGNAL LINE

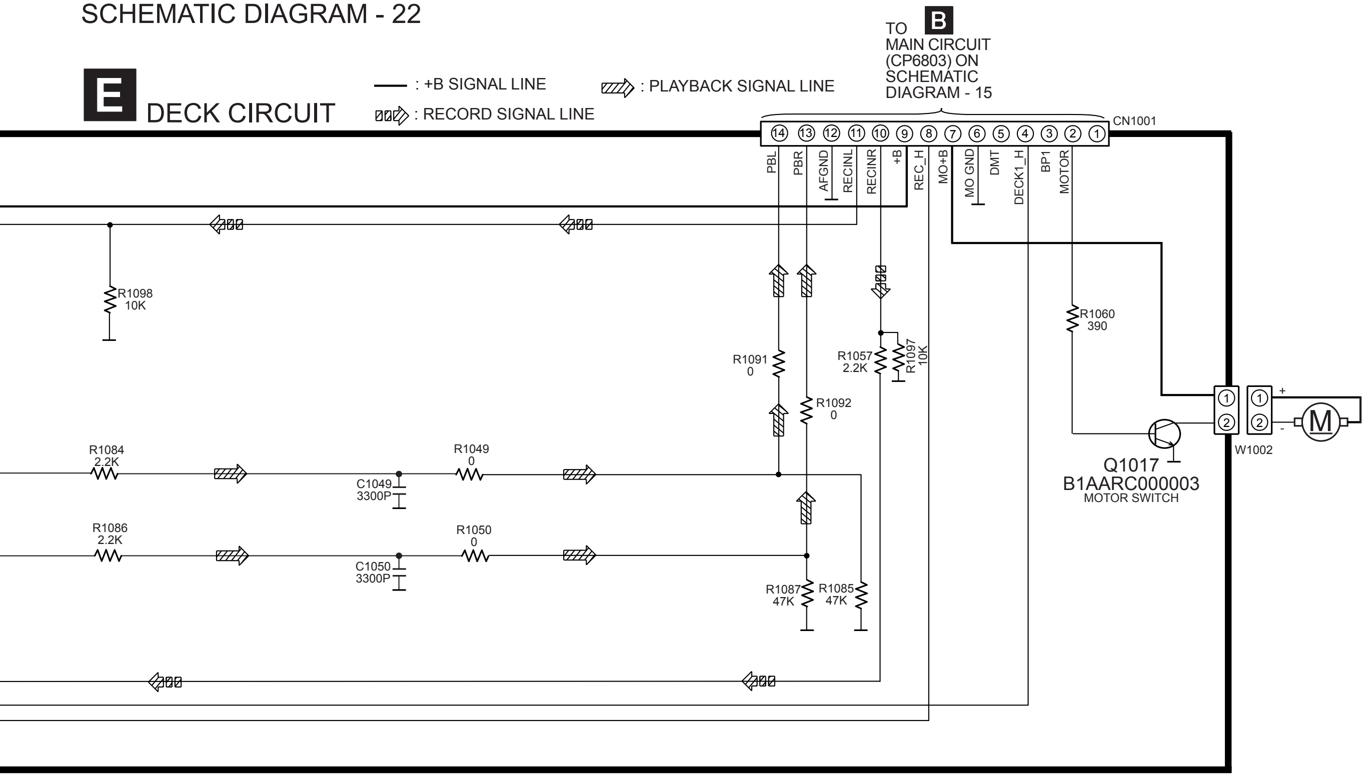

PLACKBACK HEAD
L
R
CS1001
R
L
C1015 1000P
C1012 1000P
R1101 0
R1100 0
R1015 47
C1032 0.018
IC1001
AN7348S-E1
P.B EQ/REC AMP/ ALC/TPS AMP
C1030 10V100
R1018 3.9K
C1057 1000P
C1038 220P
C1036 0.033
C1034 50V3.3
R1055 2.2K
C1040 16V10
R1029 4.7M
C1043 50V4.7
C1056 16V10
C1044 10V33
R1090 220
R1040 0
C1059 0.01
C1046 16V220
R1032 10K
R1022 10K
R1017 8.2K
C1020 470P
R1009 18K
C1019 1000P
TAPE A INPUT
TAPE A INPUT
PB AMP NF
PB AMP EQ
PB AMP OUTPUT
ALC LOW CUT
REC IN
REC OUT
ALC T
HI/LO
CRO/NOR
VCC
IC1001
TAPE B INPUT
TAPE B INPUT
PB AMP NF
PB AMP EQ
PB AMP OUTPUT
AB SW T
REC IN
REC OUT
REC/PB SW
AB SW
RIPPLE FILTER
OUTPUT GND
TP 10
TP 5
RECORD/PLAY HEAD
L
R
ERASE HEAD
CS1002
C1058 1000P
R1019 3.9K
C1031 10V100
C1035 50V3.3
C1039 220P
R1099 0
R1030 100
C1045 10V22
C1041 16V10
C1033 0.018
C1023 1000P
C1027 1000P
R1016 47
C1037 50V3.3
R1010 18K
TP 4
TP 3
C1021 470P
C1022 1000P
R1035 10K
R1028 8.2K
C1042 16V22
R1031 27K
TP 11
TP 12
IC1004
C1AA00000612
R/P SELECT
VCC
SW
GND
CTRL2
CTRL1
R1002 0
C1002 2.2
C1009 16V47
R1020 0
R1005 4.7K
R1026 1K
C1006 50V1
L1002 7L1A62N
L1001 G0C470JA0052
Q1004, Q1005
B1AAGC000007
BIAS OSCILLATOR
C1014 1000P
R1014 4.7K
C1007 4700P
Q1004
C1011 0.047
R1012 4.7K
C1018 3300P
R1013 4.7K
R1007 4.7
Q1005
R1004 1.5K
R1027 0
R1025 0
R1024 0
Q1003
B1AAGC000007
SWITCHING (RECH)
C1013 1000P
C1010 25V100
C1016 2200P
C1017 2200P
R1003 10K
D1003 B0ACCK000005
R1102 10K
C1008 50V1
Q1007
R1011 8.2K
C1026 6.3V47
Q1007
B1ABCF000176
BIAS OSC CONTROL

E DECK CIRCUIT

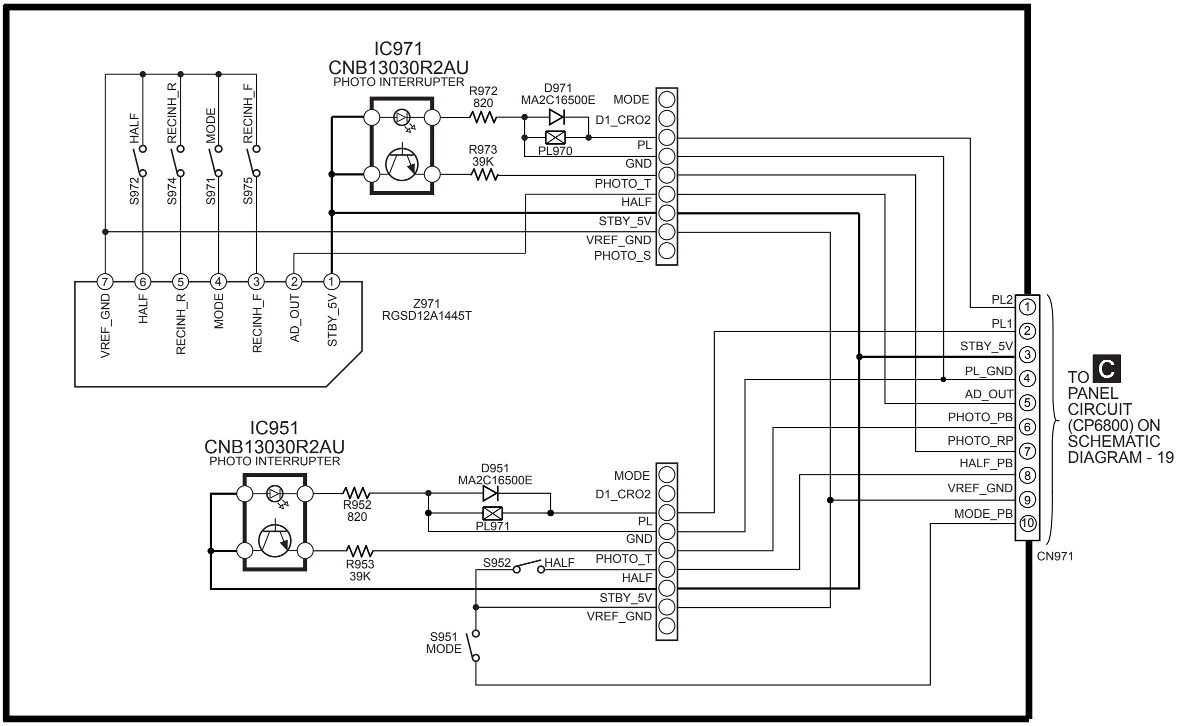
— : +B SIGNAL LINE

▨ : RECORD SIGNAL LINE

▨ : PLAYBACK SIGNAL LINE


TO B
MAIN CIRCUIT
(CP6803) ON
SCHEMATIC
DIAGRAM - 15
CN1001
⑭ PBL
⑬ PBR
⑫ AFGND
⑪ RECINL
⑩ RECINR
⑨ +B
⑧ REC_H
⑦ MO+B
⑥ MO GND
⑤ DMT
④ DECK1_H
③ BP1
② MOTOR
①
R1098
10K
R1091
0
R1092
0
R1057
2.2K
R1097
10K
R1060
390
R1084
2.2K
C1049
3300P
R1049
0
R1086
2.2K
C1050
3300P
R1050
0
R1087
47K
R1085
47K
Q1017
B1AARC000003
MOTOR SWITCH
W1002
M
+
-

F DECK MECHANISM CIRCUIT

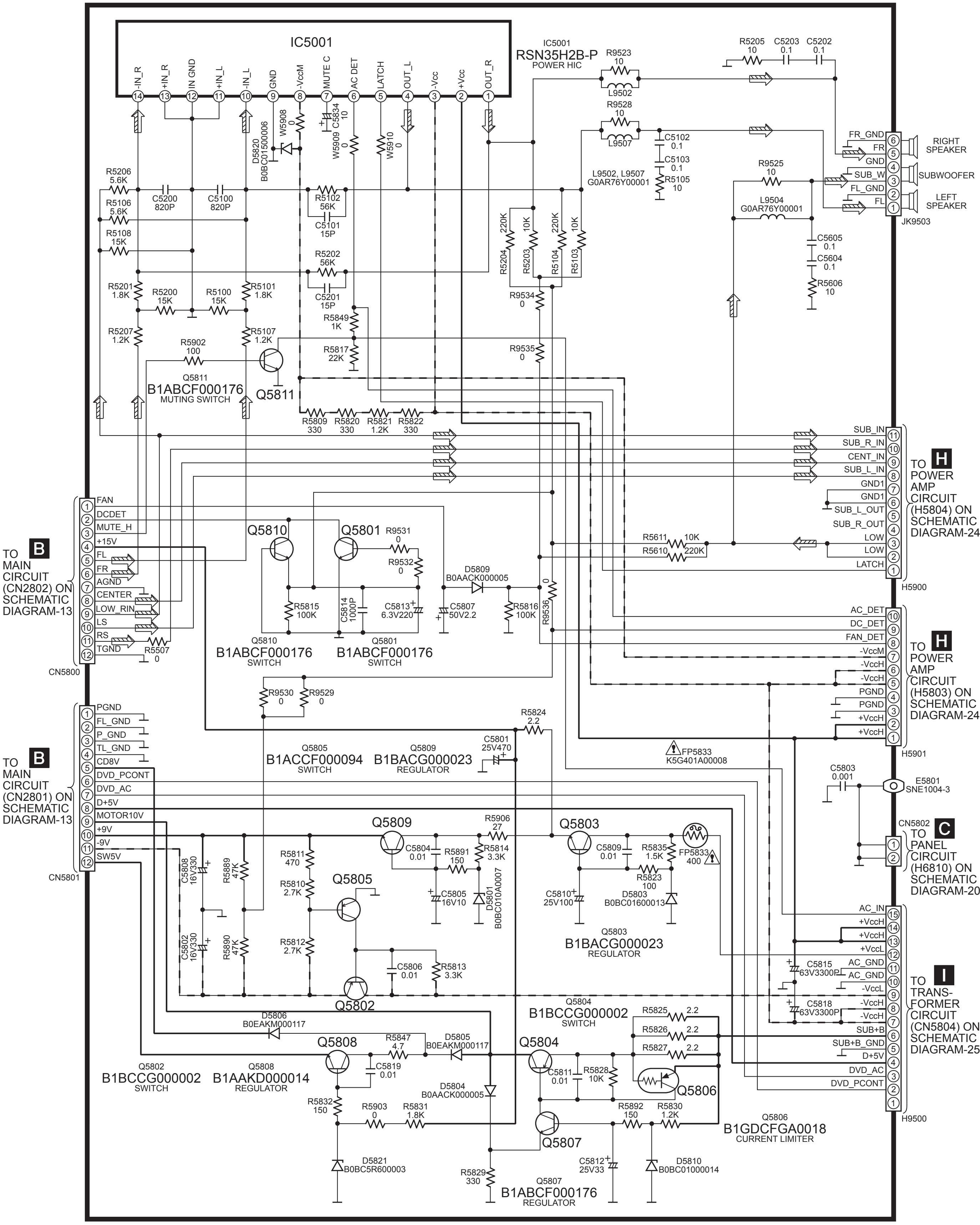

IC971
CNB13030R2AU
PHOTO INTERRUPTER
R972
820
R973
39K
D971
MA2C16500E
PL970
MODE
D1_CRO2
PL
GND
PHOTO_T
HALF
STBY_5V
VREF_GND
PHOTO_S
HALF
RECINH_R
MODE
RECINH_F
S972
S974
S971
S975
Z971
RGSD12A1445T
⑦ VREF_GND
⑥ HALF
⑤ RECINH_R
④ MODE
③ RECINH_F
② AD_OUT
① STBY_5V
IC951
CNB13030R2AU
PHOTO INTERRUPTER
R952
820
R953
39K
D951
MA2C16500E
PL971
S952
HALF
S951
MODE
MODE
D1_CRO2
PL
GND
PHOTO_T
HALF
STBY_5V
VREF_GND
PL2 ①
PL1 ②
STBY_5V ③
PL_GND ④
AD_OUT ⑤
PHOTO_PB ⑥
PHOTO_RP ⑦
HALF_PB ⑧
VREF_GND ⑨
MODE_PB ⑩
CN971
TO C
PANEL
CIRCUIT
(CP6800) ON
SCHEMATIC
DIAGRAM - 19

G POWER CIRCUIT

: +B SIGNAL LINE

: -B SIGNAL LINE

: MAIN SIGNAL LINE


IC5001
-IN_R 14
+IN_R 13
IN GND 12
+IN_L 11
-IN_L 10
GND 9
-VccM 8
MUTE C 7
AC DET 6
LATCH 5
OUT_L 4
-Vcc 3
+Vcc 2
OUT_R 1
IC5001
RSN35H2B-P
POWER HIC
R9523 10
L9502
R9528 10
L9507
R5205 10
C5203 0.1
C5202 0.1
C5102 0.1
C5103 0.1
R5105 10
L9502, L9507
G0AR76Y00001
R9525 10
L9504
G0AR76Y00001
C5605 0.1
C5604 0.1
R5606 10
FR_GND 6
FR 5
GND 4
SUB_W 3
FL_GND 2
FL 1
RIGHT SPEAKER
SUBWOOFER
LEFT SPEAKER
JK9503
D5820
B0BC01500006
W5908 0
C5834 10
W5909 0
W5910 0
R5206 5.6K
R5106 5.6K
R5108 15K
C5200 820P
C5100 820P
R5102 56K
C5101 15P
R5202 56K
C5201 15P
R5204 220K
R5203 10K
R5104 220K
R5103 10K
R9534 0
R9535 0
R5201 1.8K
R5200 15K
R5100 15K
R5101 1.8K
R5849 1K
R5817 22K
R5207 1.2K
R5107 1.2K
R5902 100
Q5811
B1ABCF000176
MUTING SWITCH
Q5811
R5809 330
R5820 330
R5821 1.2K
R5822 330
SUB_IN 11
SUB_R_IN 10
CENT_IN 9
SUB_L_IN 8
GND1 7
GND1 6
SUB_L_OUT 5
SUB_R_OUT 4
LOW 3
LOW 2
LATCH 1
H5900
TO H POWER AMP CIRCUIT (H5804) ON SCHEMATIC DIAGRAM-24
R5611 10K
R5610 220K
FAN 1
DCDET 2
MUTE_H 3
+15V 4
FL 5
FR 6
AGND 7
CENTER 8
LOW_RIN 9
LS 10
RS 11
TGND 12
R5507 0
CN5800
TO B MAIN CIRCUIT (CN2802) ON SCHEMATIC DIAGRAM-13
Q5810
Q5801
R9531 0
R9532 0
D5809
B0AACK000005
R5815 100K
C5814 1000P
C5813 6.3V220
C5807 50V2.2
R5816 100K
R9536 0
Q5810
B1ABCF000176
SWITCH
Q5801
B1ABCF000176
SWITCH
AC_DET 10
DC_DET 9
FAN_DET 8
-VccM 7
-VccH 6
-VccH 5
PGND 4
PGND 3
+VccH 2
+VccH 1
H5901
TO H POWER AMP CIRCUIT (H5803) ON SCHEMATIC DIAGRAM-24
R9530 0
R9529 0
R5824 2.2
C5801 25V470
Q5805
B1ACCF000094
SWITCH
Q5809
B1BACG000023
REGULATOR
FP5833
K5G401A00008
C5803 0.001
E5801
SNE1004-3
PGND 1
FL_GND 2
P_GND 3
TL_GND 4
CD8V 5
DVD_PCONT 6
DVD_AC 7
D+5V 8
MOTOR10V 9
+9V 10
-9V 11
SW5V 12
CN5801
TO B MAIN CIRCUIT (CN2801) ON SCHEMATIC DIAGRAM-13
Q5809
R5906 27
Q5803
C5804 0.01
R5891 150
R5814 3.3K
C5809 0.01
R5835 1.5K
FP5833 400
R5823 100
CN5802
TO C PANEL CIRCUIT (H6810) ON SCHEMATIC DIAGRAM-20
1
2
C5808 16V330
R5889 47K
R5811 470
R5810 2.7K
Q5805
C5805 16V10
D5801
B0BC010A0007
C5810 25V100
D5803
B0BC01600013
Q5803
B1BACG000023
REGULATOR
C5802 16V330
R5890 47K
R5812 2.7K
C5806 0.01
R5813 3.3K
Q5802
AC_IN 15
+VccH 14
+VccH 13
+VccL 12
AC_GND 11
AC_GND 10
-VccL 9
-VccH 8
-VccH 7
SUB+B 6
SUB+B_GND 5
D+5V 4
DVD_AC 3
DVD_PCONT 2
1
H9500
C5815 63V3300P
C5818 63V3300P
TO I TRANS-FORMER CIRCUIT (CN5804) ON SCHEMATIC DIAGRAM-25
D5806
B0EAKM000117
Q5804
B1BCCG000002
SWITCH
R5825 2.2
R5826 2.2
R5827 2.2
Q5808
R5847 4.7
D5805
B0EAKM000117
Q5804
C5819 0.01
C5811 0.01
R5828 10K
Q5806
Q5802
B1BCCG000002
SWITCH
Q5808
B1AAKD000014
REGULATOR
D5804
B0AACK000005
R5832 150
R5903 0
R5831 1.8K
R5892 150
R5830 1.2K
Q5806
B1GDCFGA0018
CURRENT LIMITER
Q5807
D5821
B0BC5R600003
R5829 330
C5812 25V33
D5810
B0BC01000014
Q5807
B1ABCF000176
REGULATOR

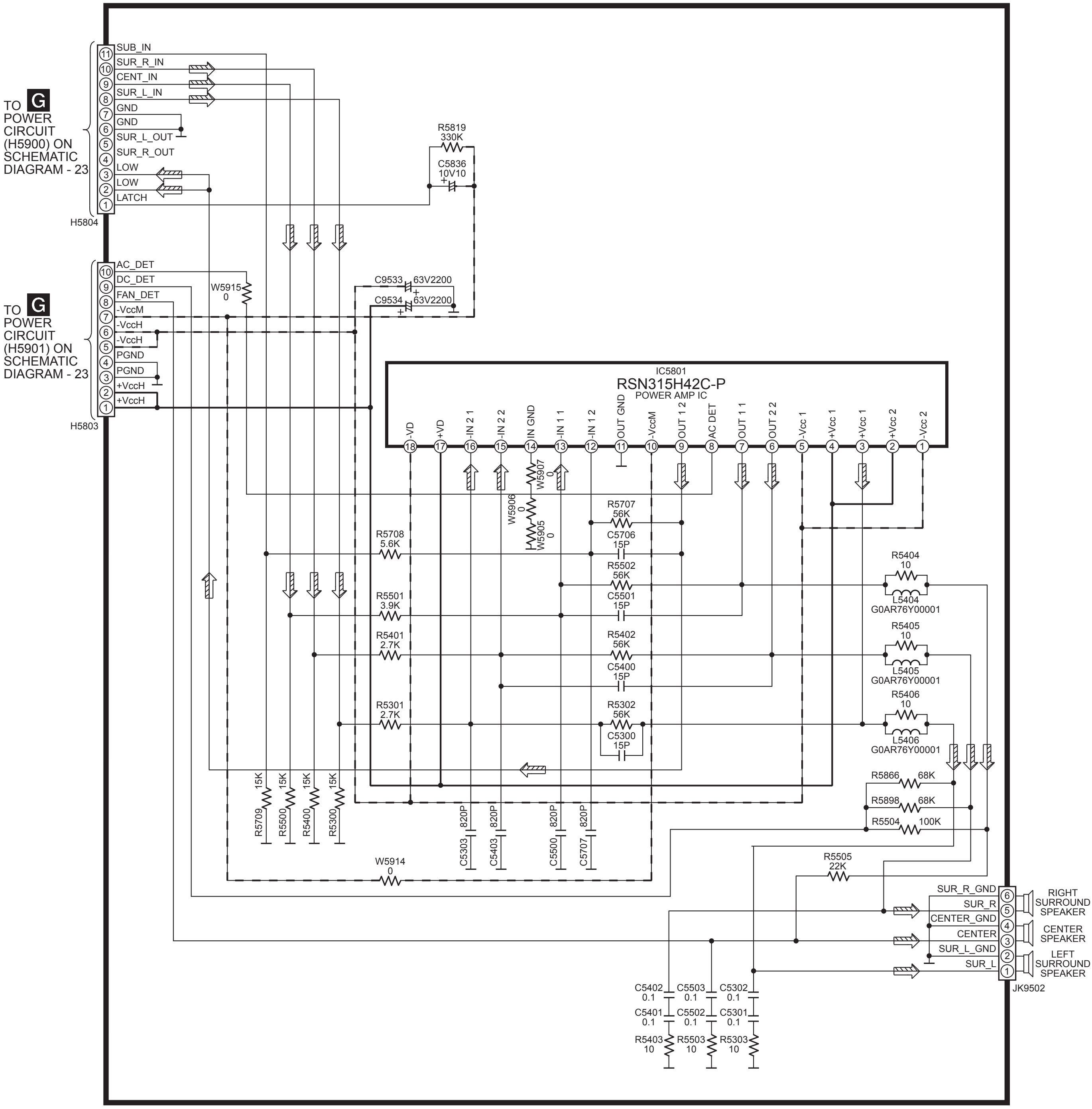
SCHEMATIC DIAGRAM - 24

H POWER AMP CIRCUIT

—— : +B SIGNAL LINE

- - - - : -B SIGNAL LINE

⇨ : MAIN SIGNAL LINE



TO G POWER CIRCUIT (H5900) ON SCHEMATIC DIAGRAM - 23
H5804
11 SUB_IN
10 SUR_R_IN
9 CENT_IN
8 SUR_L_IN
7 GND
6 GND
5 SUR_L_OUT
4 SUR_R_OUT
3 LOW
2 LOW
1 LATCH
TO G POWER CIRCUIT (H5901) ON SCHEMATIC DIAGRAM - 23
H5803
10 AC_DET
9 DC_DET
8 FAN_DET
7 -VccM
6 -VccH
5 -VccH
4 PGND
3 PGND
2 +VccH
1 +VccH
R5819 330K
C5836 10V10
W5915 0
C9533 63V2200
C9534 63V2200
IC5801
RSN315H42C-P
POWER AMP IC
18 -VD
17 +VD
16 -IN 2 1
15 -IN 2 2
14 IN GND
13 -IN 1 1
12 -IN 1 2
11 OUT GND
10 -VccM
9 OUT 1 2
8 AC DET
7 OUT 1 1
6 OUT 2 2
5 -Vcc 1
4 +Vcc 1
3 +Vcc 1
2 +Vcc 2
1 -Vcc 2
W5907 0
W5906 0
W5905 0
R5707 56K
C5706 15P
R5708 5.6K
R5502 56K
C5501 15P
R5501 3.9K
R5401 2.7K
R5402 56K
C5400 15P
R5301 2.7K
R5302 56K
C5300 15P
R5404 10
L5404 G0AR76Y00001
R5405 10
L5405 G0AR76Y00001
R5406 10
L5406 G0AR76Y00001
R5866 68K
R5898 68K
R5504 100K
R5505 22K
R5709 15K
R5500 15K
R5400 15K
R5300 15K
C5303 820P
C5403 820P
C5500 820P
C5707 820P
W5914 0
6 SUR_R_GND
5 SUR_R
4 CENTER_GND
3 CENTER
2 SUR_L_GND
1 SUR_L
RIGHT SURROUND SPEAKER
CENTER SPEAKER
LEFT SURROUND SPEAKER
JK9502
C5402 0.1
C5503 0.1
C5302 0.1
C5401 0.1
C5502 0.1
C5301 0.1
R5403 10
R5503 10
R5303 10